

United States Consumer Product Safety Commission



eFiling Product Registry

Update Service Pilot

System Design

Version: 1.8

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Filers Please Note: Only the 8 importers that are part of the CPSC e-Filing Alpha Pilot should use this document in order to design for a public REST service for updating product data in the CPSC eFiling Product Registry application. CPSC does not require e-filing from the general trade community at this time – this document is being posted on cpsc.gov for trade awareness purposes only. The general trade community should not program from this document.

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Version History

Version	Date	Author(s)	Notes
1.0	01/15/2016	Jim Harwood	Initial document.
1.1	01/19/2016	Jim Harwood	Updated with input from MW
1.2	01/21/2016	Jim Harwood	Added recommendation
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1.8	02/11/2016	Mike Wilmoth	Added changes based on feedback from Armedia

1 Introduction

This document describes the design for a public REST Service for updating product data in the CPSC eFiling Product Registry Application.

2 Background

The eFiling Product Registry is a Java and JavaScript application that provides a central Web-based portal for maintaining product information and is currently in Alpha pilot mode.

Some commercial users have expressed an interest in updating their product information through an external public-facing Web Service as an alternative to manually adding data in the Registry application, the result being a single point of entry for adding and updating product data.

3 Design & Security

The eFiling Product Registry Update Service will provide a public-facing RESTful interface to the Registry's internal product service.

This service will employ Secure Socket Layer (SSL) encryption (HTTPS protocol) to ensure data security and will support the JavaScript Object Notation (JSON) data format, as shown in Figure 1:

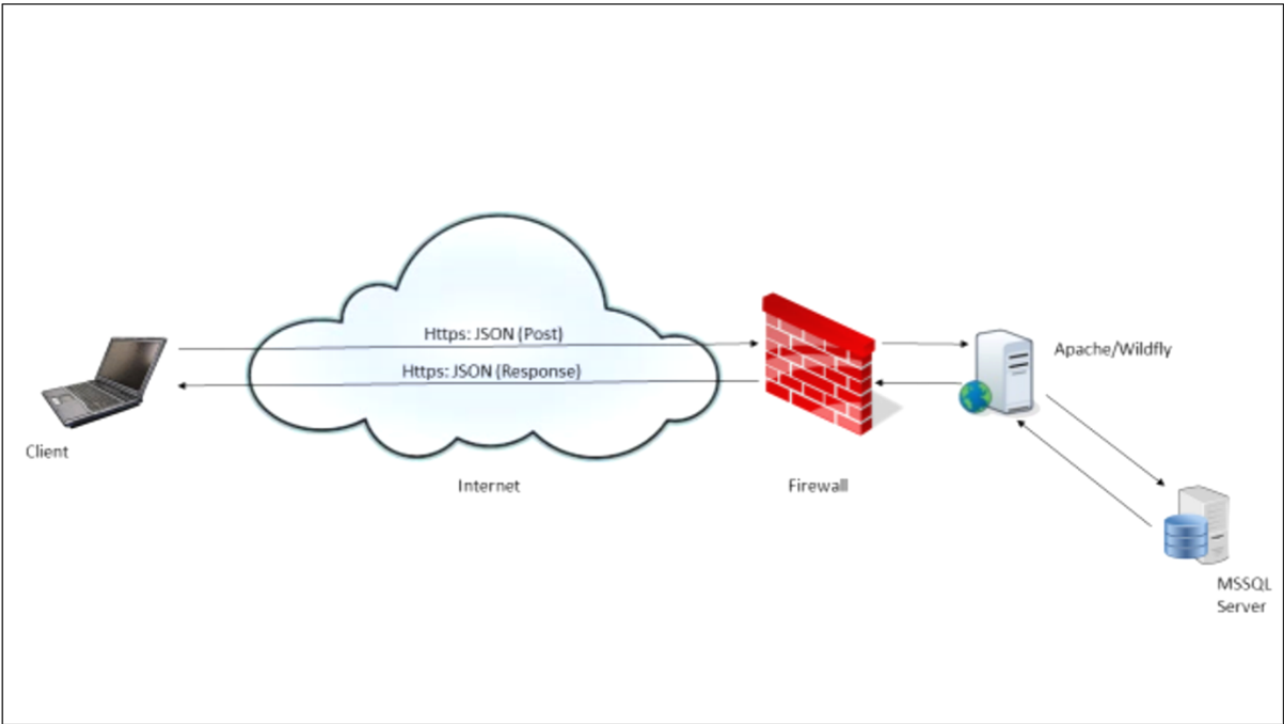


Figure 1: REST Service Overview

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The default HTTP request method will be POST¹. The service will be accessible from a strict URL: **https://[base application URL]/service/registryInfo/[method]**. Request data will be passed through the request payload, rather than the header.

User authorization and authentication will be handled by the Spring Security API implementation included in the Registry application API. A user must already have a user account on the Registry system to access the service. The account should be a dedicated, single-role account that only permits access to the service and prohibits access to the Registry application. A secure token will be used to facilitate the authentication process with the service, generating normal HTTP status codes in different scenarios, as shown in Figure 2:

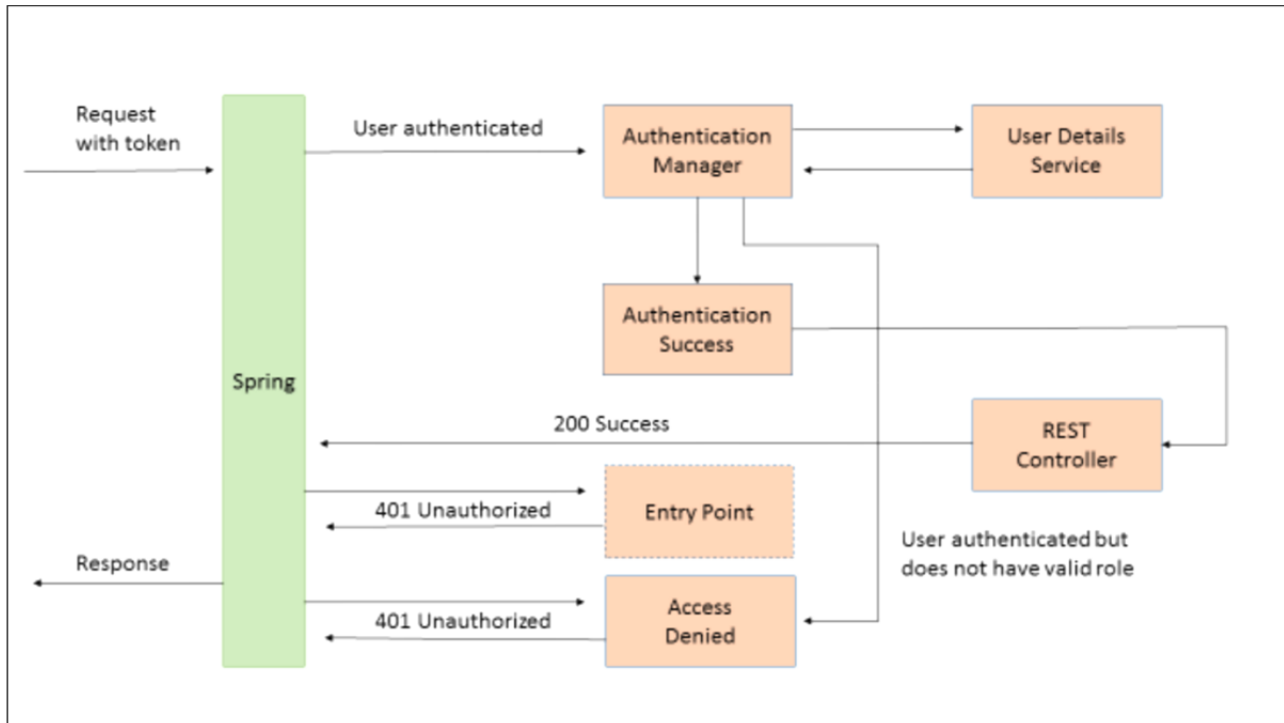


Figure 2: User Authentication Process

Use of the service with the appropriate credentials involves what is essentially an eight-step process. To use the update service, the user must have:

- A valid user account in the Registry database.
- A valid, unexpired token.
- The correct user role assigned. This role will be exclusive to the update service public methods and URL.

The process is shown in Figure 3:

¹ Use of either the header or the URL to pass sensitive data, even in encrypted format, is a potential security issue in its own right.

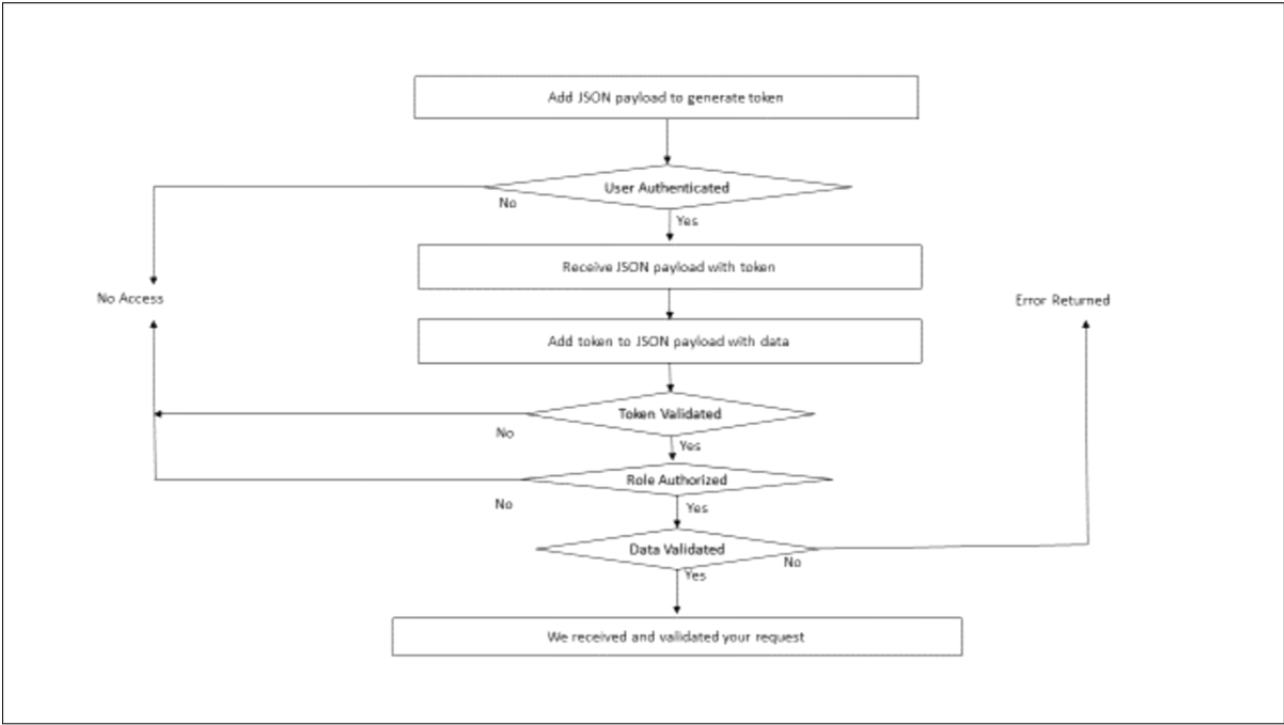


Figure 3: REST Service Process

Inclusion of a reference number will act like a toggle for determining the appropriate transaction. Including a valid reference number will indicate an update for the corresponding product. Including an empty reference number string will signal that a new product entry is required.

The service will expose two methods:

Table 1: Service Methods

Controller Method	HTTP Method	Request	Response	Description
generateToken	POST	JSON	JSON	Create Secure Token based on existing system username and password.
updateProductInfo	POST	JSON	JSON	Insert or update existing product data.

The **generateToken** method will require a pre-existing system account username and password and will return the token data in a JSON packet. If authorization fails, a token will not be returned. A valid token must be included in the request payload for the **updateProductInfo** method (see **Appendix** for example).

Spring Security will be used to authenticate the request token to ensure that each database transaction is associated with an authorized user on the system. The generated token will expire on a frequent basis, so a new

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tokens will most likely need to be generated for each major transaction. Failure to include the token information or information for a non-existent or expired token will result in an immediate application exception before any transaction occurs.

The following transactions will be supported:

Table 2: Registry Service Transactions²

Transaction	Registration Number Populated	Database Table(s)
Insert	No	Product, etc.
Update	Yes	Product, etc.

Processing of the transaction data is envisioned as a multi-step, asynchronous process:

- Data validation
- Data queueing (JMS-based)
- Data processing

Within the updateProductInfo method, a JMS-based queue will enable asynchronous processing of product entries included in a single batch upload. Data will be offloaded from the request to the queue before any database transaction.

Data will be validated asynchronously with the queueing process. Upon success, the updateProductInfo method will return a boolean, indicating whether the product was added or updated, the reference number for the new or existing product, the last date the record was updated, and the data validation results.

The service code will be maintained in a separate package as part of the existing Registry application deployment. The sequence of method calls and is shown in Figure 4:

² Delete will not be supported.

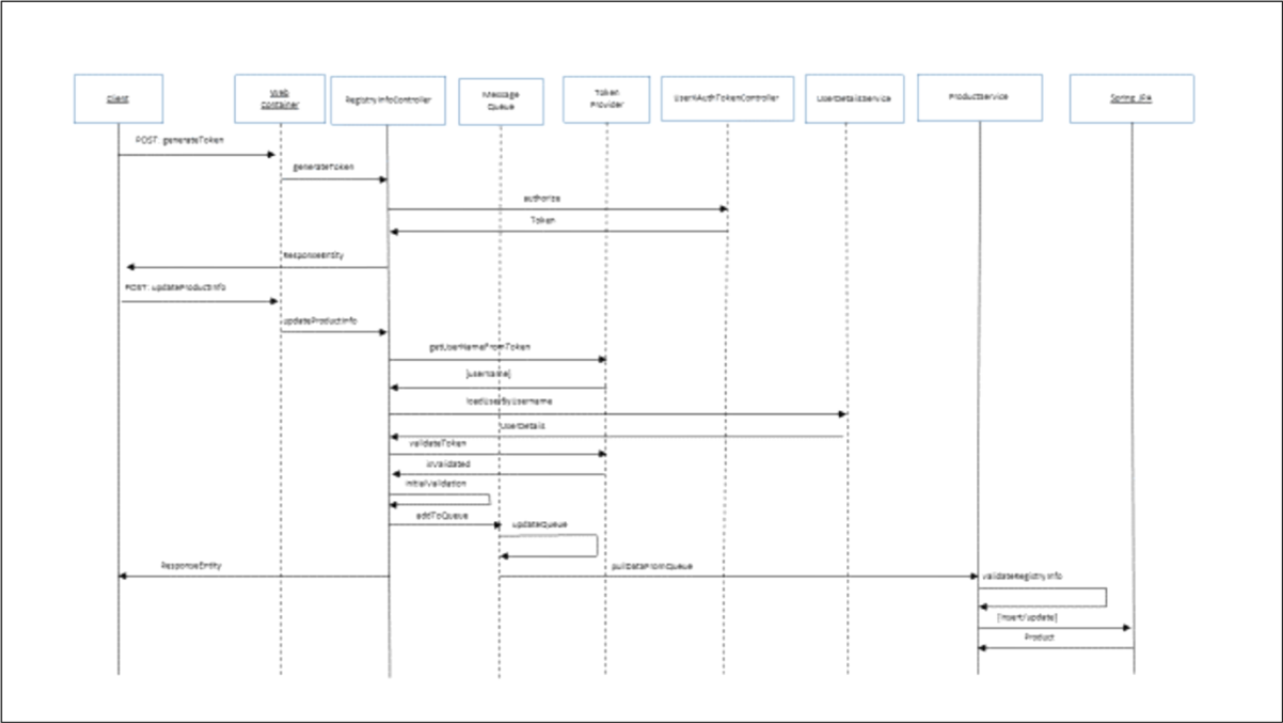


Figure 4: Registry Update Service Sequence Diagram

Spring Validation will help ensure the integrity of data submitted through the service on a field-by-field basis. Whenever a field fails validation, the user will receive a validation failure code and a message indicating the type of error generated.

In addition, the number of products included in any batch payload will be limited to a specific number. Should any of these product entries fail validation, the entire upload will fail and a new transaction will have to be initiated by the user. This all-or-nothing approach will help prevent dirty uploads, as well as excessive transaction cycles during peak usage periods.

Finally, the name of each product will be verified against existing product data to reduce the risk of duplicate entries (new products with the same name).

The system will continuously poll the product queue for product entries and process them to completion. Figure 5 shows the sequence for a standard JMS Queue:

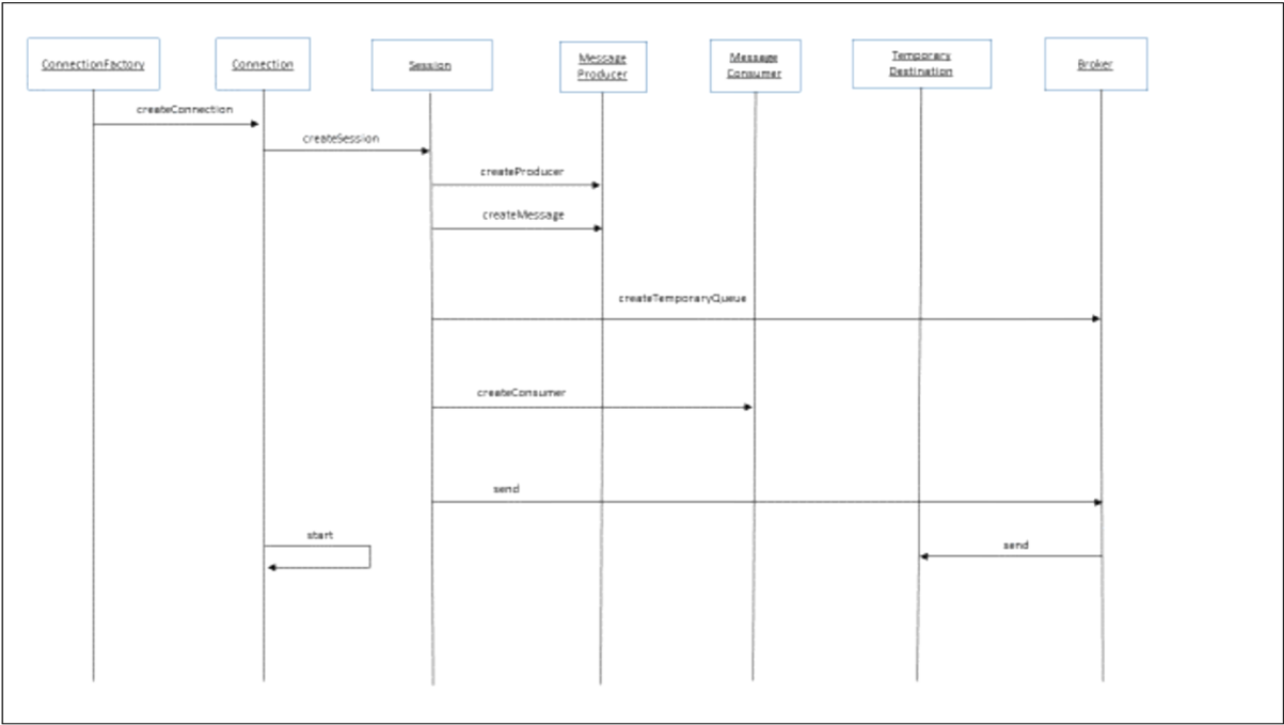


Figure 5: JMS Queue Sequence Diagram

The message queue relies on a producer to create a temporary queue. Products will be pulled from the request and added to the queue. A consumer will pull products from the queue and initiate the update process with the eFile Product Registry.

Proposed mitigation strategies for common security issues are shown in Table 3:

Table 3: Security Issue Mitigation

Issue	Description	Mitigation Strategy
Prevent SQL Injection	Prevent malicious SQL queries from entering a field of execution	Write queries using Hibernate HQL standard syntax
Prevent Payload Injection	Inject erroneous data into system	Use character whitelist and defined field lengths
Record user activity	Identify suspicious login attempts	Log all runtime exceptions and transactions to the server
Protect session state*	Keep service as stateless as possible	Use security token to maintain minimal state

Protect HTTP methods*	Use industry-standard HTTP methods with the correct authentication	Prohibit anonymous user access. All users must be pre-registered
Whitelist allowable methods*	Use the correct HTTP method verbs	Allow only POST method
Protect privileged actions and sensitive resource collections*	Restrict Web Service access	Require authentication token with every transaction
Insecure direct object references*	A URL or even a POSTed form should NEVER contain an access control "key" or similar that provides automatic verification	Do not include actual database key fields in a payload
Input validation*	Validate data input for integrity	Use Spring field-level validation
Strong typing*	Strongly type incoming data as quickly as possible	Make fields strongly typed

*Source: https://www.owasp.org/index.php/REST_Security_Cheat_Sheet

4 Recommendations

- Limit the number of products included in a batch upload to 10 products initially, and vary the number based on performance consideration.

5 Glossary

Term	Definition
CPSC	Consumer Products Safety Commission
HTTPS	A version of the HTTP protocol that includes SSL encryption.
JSON	JavaScript Object Notation is a lightweight data-interchange format. It is easy for humans to read and write. It is easy for machines to parse and generate. It is based on a subset of the JavaScript Programming Language, Standard ECMA-262 3rd Edition - December 1999.
POST	One of the four primary HTTP methods used to process form data on a Web page.
REST	REpresentational State Transfer is an architectural style and an approach to communications that is often used in the development of Web services. REST architecture involves reading a designated Web page that contains data in JSON format, which describes and includes the desired content. REST, which typically runs over HTTP (Hypertext Transfer Protocol), has several architectural constraints.

	1. Decouples consumers from producers 2. Stateless existence 3. Able to leverage cache 4. Leverages layered system 5. Leverages uniform interface
Spring	A modular software infrastructure platform for Web-based applications and services. Spring Security adds extensible authentication and authorization capabilities.
SQL	Structured Query Language
SSL	Secure Socket Layer. A form of electronic packet encryption used to secure a connection with a Web site.
Token	A set of one or more unique textual identifiers that can be used to confirm a user's access to a system.
URL	Uniform Resource Locator. An Internet address (for example, http://www.hmco.com/trade/), usually consisting of the access protocol (http), the domain name (www.hmco.com), and optionally the path to a file or resource residing on that server (trade).

Appendix A - JSON Template & Data Elements

JSON Template

The following is the json template for submitting data to the Registry:

```
{
  "registryInfoToken": {
    "token": "[token value]",
    "expires": "[expiration date-time]"
  },
  "registryInfo": {
    [{"referenceNumber": "[reference number]"},
    "productName": "[product name]",
```

```
    "regulatedProductSPHListed": "[regulatedProduct(Y/N(SPHListed))]",
    "certificateAvailable": "[certificateAvailable(Y/N)]",
    "manufacturer": [{"isNew": "[Y/N]"},
    "name": "[name]",
    "address": [{"new": "[Y/N]"},
    "addressName": "[addressName]",
    "addressLineOne": "[addressLineOne]",
    "addressLineTwo": "[addressLineTwo]",
    "city": "[city]",
    "stateCode": "[stateCode]",
    "postalCode": "[postalCode]",
    "countryCode": "[countryCode]",
    "phone": "[phoneNumber]"]],
    "identifier": [{"identifier": "[productIdentifier]"},
    "code": "[code]"]],
    "test": [{"standardCode": "[CitationCode]"},
    "approvedLabId": "[approvedLaboratoryId]"]],
  }],
}
```

The following table further defines the data elements and the json template:

"registryInfo" Element	Mandatory (M), Conditional (C), Optional (O)	Comment/Note
referenceNumber	C	The Reference Number from the Registry is needed for updates to be applied. If there is no

		Reference Number Value, then it will be assumed that information provided is for a new product to be added to the Registry.
productName	M	The name of the product.
regulatedProductSPHListed	M	"Y" for Regulated Product; "N" for SPH Listed
certificateAvailable	M	"Y" or "N" to indicate if a Certificate is available upon request.
manufacturer	M	"Y" or "N" to indicate if this is a new manufacturer that needs to be added to the system. If "N", then the name and address details be used for an exact match look up.
Name	O	The name of the Manufacturer
Address	O	"Y" or "N" to indicate if this is a new address that needs to be added to the system. If "N", then the address details shall be used for an exact match look up.
addressName	O	A descriptive name for the address (e.g., "Factory #1" or "Headquarters")
addressLineOne	M	
addressLineTwo	O	
city	M	
stateCode	O	
postalCode	O	
countryCode	M	
phone	O	
identifier:identifier	C	See Product Identifier Codes Section below.
identifier:code	C	
test:standardCode	C	See Citation Codes Section below.
test:approvedLabId	C	See Approved Lab IDs Section below. At least one test must be provided per Regulated Product (if regulatedProductSPHListed = "Y")

Product Identifier Codes

Provide one or more of the following identifier types:

- GS1 Global Trade Item Number (GTIN)
- Universal Product Code (UPC)
- Stock Keeping Unit (SKU)
- Model Number
- Serial Number

Either a GS1 Global Trade Item Number (GTIN) or Universal Product Code (UPC) can be provided, not both.

The following table provides the allowable identifier codes:

Code	Code Description
ALT	Alternative Identifier
GTIN	GS1 Global Trade Item Number (GTIN)
IUC	Intended Use Code
LN	Lot Number
MC	Model Color
MD	Model Description
MN	Model Number
MS	Model Style
RN	Registered Number
SE	Serial Number
SKU	Stock Keeping Unit (SKU)
TNBN	Trade Name/Brand Name
UPC	Universal Product Code (UPC)

Citation Codes

The following tables provide the allowable standard codes for citations:

Citation Code	Rule	Description
1203C	1203	Safety Standard for Bicycle Helmets for Children's Use
1215C	1215	Safety Standard for Infant Bath Seats
1216C	1216	Safety Standard for Infant Walkers
1217C	1217	Safety Standard for Toddler Beds
1218C	1218	Safety Standard for Bassinets and Cradles
1219C	1219	Safety Standard for Full-Size Cribs
1220C	1220	Safety Standard for Non-Full-Size Cribs
1221C	1221	Safety Standard for Play Yards
1222C	1222	Safety Standard for Infant Bedside Sleepers
1223C	1223	Safety Standard for Swings
1224C	1224	Safety Standard for Portable Bedrails
1225C	1225	Safety Standard for Hand-Held Infant Carriers
1226C	1226	Safety Standard for Soft Infant and Toddler Carriers
1227C	1227	Safety Standard for Carriages and Strollers
1230C	1230	Safety Standard for Frame Child Carriers (not effective until 9/2016)
1303C	1303	Ban of Lead-Containing Paint and Certain Movable Non-metal Furniture Products Bearing Lead-Containing Paint - Children's Products

1420C?	1420?	Requirements for All Terrain Vehicles (ATVs) for Children's Use?
1501C?	1501?	Small Parts?
1505C?	1505?	Electrically Operated Toys or Articles?
1510C?	1510?	Rattles?
1511C?	1511?	Pacifiers?
1512C?	1512?	Requirements for Bicycles for Children's Use?
1513C?	1513?	Safety Standard for Entrapment Hazards in Bunk Beds for Children's Use?
1610C?	1610?	Standard for the Flammability of Clothing Textiles for Children's?
1611C?	1611?	Standard for the Flammability of Vinyl Plastic Film for Children's Use?
1615C?	1615?	Standard for the Flammability of Children's Sleepwear: Sizes 10 through 16X (FFB-71)?
1616C?	1616?	Standard for the Flammability of Children's Sleepwear: Sizes 7 through 14 (FFB-74)?
1630C?	1630?	Standard for the Surface Flammability of Carpets and Rugs for Children's Use?
1631C?	1631?	Standard for the Surface Flammability of Small Carpets and Rugs for Children's Use?
1632C?	1632?	Standard for the Flammability of Mattresses and Mattress Pads (FFA-72, Amended) for Children's Use?
1633C?	1633?	Standard for the Flammability (Open Flame) of Mattress Sets for Children's Use?
0018A?	1500.18(a)?	Kites?
086A5?	1500.86(a)(5)?	Clacker Balls?

86A78	1500.86(a)(7)&(8)	Dive Sticks and Other Similar Articles
4100C	4.101ASTM F963-11)	Wires and Rods (effective date 06/10/2013)
4110C	4.111ASTM F963-11)	Nails and Fasteners (effective date 06/10/2013)
4120C	4.121ASTM F963-11)	Plastic Film (effective date 06/10/2013)
4130C	4.131ASTM F963-11)	Folding Mechanisms and Hinges (effective date 06/10/2013)
4140C	4.141ASTM F963-11)	Cords, Straps, and Elastics (effective date 06/10/2013)
4150C	4.151ASTM F963-11)	Stability and Overload Requirements (effective date 06/10/2013)
4160C	4.161ASTM F963-11)	Confined Spaces (effective date 06/10/2013)
4170C	4.171ASTM F963-11)	Wheels, Tires, and Axles (effective date 06/10/2013)
4180C	4.181ASTM F963-11)	Holes, Clearances, and Accessibility of Mechanisms (effective date 06/10/2013)
4190C	4.191ASTM F963-11)	Simulated Protective Devices (except labeling and/or instructional literature requirements) (effective date 06/10/2013)
4201C	4.20.11ASTM F963-11)	Pacifiers with Rubber Nipples/Nitrosamine Test (effective date 06/10/2013)
4202C	4.20.21ASTM F963-11)	Toy Pacifiers (effective date 06/10/2013)
4210C	4.211ASTM F963-11)	Projectile Toys (effective date 06/10/2013)
4220C	4.221ASTM F963-11)	Teethers and Teething Toys (effective date 06/10/2013)
4231C	4.23.11ASTM F963-11)	Rattles with nearly spherical, hemispherical, or circular flared ends (effective date 06/10/2013)
4240C	4.241ASTM F963-11)	Squeeze Toys (effective date 06/10/2013)

4250C	4.251ASTM F963-11)	Battery-Operated Toys (except labeling and/or instructional literature requirements) (effective date 06/10/2013)
4260C	4.261ASTM F963-11)	Toys Intended to Be Attached to a Crib or Playpen (except labeling and/or instructional literature requirements) (effective date 06/10/2013)
4277C	4.271ASTM F963-07e1)	Toy Chests (except labeling and/or instructional literature requirements)
4271C	4.271ASTM F963-11)	Stuffed and Beanbag-Type Toys (effective date 06/10/2013)
4351C	4.3.5.1(2)1ASTM F963-11)	Surface Coating Materials - Soluble Test for Metals (effective date 06/10/2013)
4352C	4.3.5.21ASTM F963-11)	Toy Substrate Materials (effective date 06/10/2013)
4363C	4.3.6.31ASTM F963-11)	Cleanliness of Liquids, Pastes, Putties, Gels, and Powders (effective date 06/10/2013)
4307C	4.3.71ASTM F963-11)	Stuffing Materials (effective date 06/10/2013)
4300C	4.301ASTM F963-11)	Toy Gun Marking (effective date 06/10/2013)
4320C	4.321ASTM F963-11)	Certain Toys with Nearly Spherical Ends (effective date 06/10/2013)
4350C	4.351ASTM F963-11)	Pompoms (effective date 06/10/2013)
4360C	4.361ASTM F963-11)	Hemispheric-Shaped Objects (effective date 06/10/2013)
4370C	4.371ASTM F963-11)	Yo-Yo Elastic Tether Toys (effective date 06/10/2013)
4380C	4.381ASTM F963-11)	Magnets (except labeling and/or instructional literature requirements) (effective date 06/10/2013)
4390C	4.391ASTM F963-11)	Jaw Entrapment in Handles and Steering Wheels (effective date 06/10/2013)
4500C	4.51ASTM F963-11)	Sound Producing Toys (effective date 06/10/2013)

4600C	4.6 (ASTM F963-11)	Small Objects (except labeling and/or instructional literature requirements) (effective date 06/10/2013)
4700C	4.7 (ASTM F963-11)	Accessible Edges (except labeling and/or instructional literature requirements) (effective date 06/10/2013)
4800C	4.8 (ASTM F963-11)	Projections (except bath toy projections) (effective date 06/10/2013)
4900C	4.9 (ASTM F963-11)	Accessible Points (except labeling and/or instructional literature requirements) (effective date 06/10/2013)
1093C	CPSC-CH-C1001-09.3	Standard Operating Procedure for Determination of Phthalates and/or GB/T 22048-2008, Toys and Children's Products (effective date December 31, 2011)
MTL8C	CPSC-CH-E1001-08 CPSC-CH-E1001-08.1 CPSC-CH-E1001-08.2 CPSC-CH-E1001-08.3	Lead in Metal Children's Products
NMT8C	CPSC-CH-E1002-08 CPSC-CH-E1002-08.1 CPSC-CH-E1001-08.2 CPSC-CH-E1002-08.3	Lead Content in Children's Non-Metal Products
1201G	1201	Safety Standard for Architectural Glazing Materials
1202G	1202	Safety Standard for Matchbooks
1203G	1203	Safety Standard for Bicycle Helmets - General Use
1204G	1204	Safety Standard for Omnidirectional Citizens Band Base Station Antennas
1205G	1205	Safety Standard for Walk-Behind Power Lawn Mowers
1207G	1207	Safety Standard for Swimming Pool Slides
1209G	1209	Interim Safety Standard for Cellulose Insulation

1210G	1210	Safety Standard for Cigarette Lighters
1211G	1211	Safety Standard for Automatic Residential Garage Door Operators
1212G	1212	Safety Standard for Multipurpose Lighters
1213G	1213	Safety Standard for Entrapment Hazards in Bunk Beds - General Use
1240G	1240	Safety Standard for Magnet Sets
1301G	1301	Ban of Unstable Refuse Bins
1303G	1303	Ban of Lead-Containing Paint and Certain Movable Non-metal Furniture Products Bearing Lead-Containing Paint - General Use
1304G	1304	Ban of Consumer Patching Compounds Containing Respirable Free-Form Asbestos
1305G	1305	Ban of Artificial Emberizing Materials (Ash and Embers) Containing Respirable Free-Form Asbestos
1306G	1306	Ban of Hazardous Lawn Darts
1420G	1420	Requirements for All Terrain Vehicles (ATVs) - General Use
1450G	1450	Virginia Graeme Baker Pool and Spa Safety Act Regulations
1507G	1507	Fireworks Devices
1512G	1512	Requirements for Bicycles - General Use
1610G	1610	Standard for the Flammability of Clothing Textiles - General Use
1611G	1611	Standard for the Flammability of Vinyl Plastic Film - General Use
1630G	1630	Standard for the Surface Flammability of Carpets and Rugs - General Use
1631G	1631	Standard for the Surface Flammability of Small Carpets and Rugs - General Use

1632G	1632	Standard for the Flammability of Mattresses and Mattress Pads - General Use (includes twin size mattresses, mattress pads, and mattress sets)
1633G	1633	Standard for the Flammability (Open Flame) of Mattress Sets - General Use
1700G	1700	Poison Prevention Packaging
1750G	1750	Standard for Devices to Permit the Opening of Household Refrigerator Doors from the Inside
17A13	1500.17(a)(13)	Ban of Candles with Metal-Cored Wicks
PL110	P.L. 110-278	ASTM F2517-05 Closures
PL112	P.L. 112-266	Limitations on Sulfur Content in ASTM C1396-14a, Standard Specification for Gypsum Board.”

Approved Lab IDs

The following table provides a listing of the CPSC-approved labs and their respective ID:

Approved Lab ID	Lab Name
1001	Vartest Laboratories, Inc.
1002	Centre Testing International (Shenzhen) Corporation
1003	UL Verification Services Inc.
1004	TÜV Rheinland Hong Kong Limited
1005	UL VSI Hong Kong Limited
1006	China Dragon Inspection & Certification (HK) Ltd.

1007	ULVSShanghaiLimitedShenzhenBranch
1008	ULVSShanghaiLimited
1009	CMAIndustrialDevelopmentFoundationLimited
1010	IntertekTestingServicesHongKongLimited
1011	SGSTaiwanLtd.ChemicalLaboratoryTaipei
1012	BureauVeritasConsumerProductsServices,IncBuffalo
1013	BureauVeritasHongKongLimited - KowloonBayOffice
1014	TheHongKongStandardsandTestingCentreLtd.
1015	GuangzhouWorldwideStandardsandTestingCo.,Ltd.
1016	SGSHongKongLimited
1017	BureauVeritasShenzhenCo.,Ltd.
1018	BureauVeritasConsumerProductsServicesShanghaiCo.,Ltd.
1020	ConsumerTestingServices,SGSNorthAmericaInc.
1021	BureauVeritasConsumerProductsServices(Guangzhou)Co.,Ltd.
1022	IntertekTestingServicesTaiwanLtd.
1023	SGS-CSTCStandardsTechnicalServices(Shanghai)Co.,Ltd.
1026	ConsumerTestingTechnologyCo.,Ltd.
1448	YiwuChimingTestingServicesCo.,Ltd.
1024	SGS-CSTCStandardsTechnicalServicesCo.,Ltd.,GuangzhouBranch

1025	SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch
1027	Intertek Testing Services Shenzhen Ltd.
1028	Intertek Testing Services Co., Ltd., Shanghai (1)
1029	Consumer Testing Laboratories, Inc., Hardlines Laboratory
1030	Applied Technical Services, Inc.
1031	Intertek Testing Services Philippines, Inc.
1032	St. Louis Testing Laboratories, Inc.
1033	Centre Testing International (Shenzhen) Corporation, Shanghai Branch
1034	Shenzhen Pony Test Science and Technology Co., Ltd.
1035	TUV Rheinland (Shenzhen) Co., Ltd.
1036	Intertek Test Hizmetleri A.S.
1037	Bureau Veritas Consumer Products Services India Pvt. Ltd.
1038	Istituto Italiano Sicurezza Dei Giocattoli S.r.l.
1039	BVEPS Test Laboratuvarları Ltd. Sti.
1040	Labtest International, Inc. DBA Intertek Consumer Goods North America
1041	HQTS QA International Services Co., Ltd.
1042	Shenzhen AOV Testing Technology Co., Ltd.
1043	Korea Conformity Laboratories
1044	SGS Korea Co., Ltd. Anyang Laboratory

1045	ITS Testing Services (UK) Limited
1046	Korea Apparel Testing & Research Institute
1393	Shenzhen Linkworld Testing Service Company Ltd.
1433	RIH Orthopaedic Foundation, Inc.
1454	Modern Testing Services (Cambodia) Limited
1048	TUV Rheinland Vietnam Co., Ltd.
1049	BLC Leather Technology Centre, Ltd.
1050	Environmental Monitoring and Technologies, Inc.
1051	Metal Improvement Company, LLC
1052	Korea Testing & Research Institute
1053	KOTIT Testing & Research Institute
1054	FITIT Testing & Research Institute
1055	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taiwan Branch
1056	Intertek India Private Limited, Gurgaon
1057	TESTEX
1058	Modern Testing Services (Dongguan) Limited
1059	NSL Analytical Services, Inc.
1060	Hohenstein Textile Testing Institute GmbH & Co. KG
1061	ULVS United Kingdom Limited

1062	Environmental Science Corporation
1063	Intertek Testing Services (Tianjin) Ltd.
1064	STC (Dongguan) Company Ltd.
1065	Intertek Testing Services Shenzhen Ltd Guangzhou Branch
1067	Scientific Control Laboratories, Inc.
1068	Guangzhou Ykan Certification & Testing Institute (CVC)
1069	TÜV Rheinland (Shanghai) Co., Ltd.
1070	Centro Tessile Cottoniero e Abbigliamento S.p.A (Centrocot)
1071	Eurofins Miljø A/S
1072	Consumer Testing Laboratories, Inc.
1073	Consumer Testing Laboratories (Far East), Ltd.
1462	Jet Fair Testing Technology (Shenzhen) Limited
1074	TÜV Rheinland LGAP Products GmbH
1075	Intertek Consumer Goods GmbH
1076	Bureau Veritas Consumer Product Services Vietnam Ltd.
1077	OETI - Institut für Ökologie, Technik und Innovation GmbH (Institute for Ecology, Technology and Innovation GmbH)
1078	Element Materials Technology St. Paul, Inc.
1079	SGS Vietnam Ltd.
1080	Bureau Veritas Singapore Pte Ltd.

1081	Dongguan Reliance Technical Service Ltd.
1082	SGS - Supervise Gözetme Etüd Kontrol Servisleri A.S.
1083	Bureau Veritas Consumer Products Services India Pvt Ltd. (Bangalore)
1084	Labtest Portugal - Testes Laboratoriais Lda
1086	Chemical Solutions, Ltd.
1087	Intertek Testing Services (Thailand) Limited
1088	Intertek Testing Services Wuxi Ltd.
1089	Bureau Veritas Consumer Products Services UK, Ltd.
1091	TÜV Rheinland LGAP Products GmbH
1092	SGS (Thailand) Limited
1093	SGS India Pvt. Ltd. (CTS)
1094	SGS India Private Limited, Hardline Laboratory, Gurgaon
1097	R.I. Analytical Laboratories, Inc.
1457	Fujian Science Way Testing Co., Ltd.
1474	Modern Testing Services (Qingdao) Co., Ltd.
1100	SGS United Kingdom Limited
1101	SGS Taiwan Ltd. Mechanical & Hardgoods Laboratory
1102	UL Quality Assurance Private Limited
1103	TÜV SÜD Hong Kong Limited

1104	Cambridge Materials Testing Limited
1105	Consumer Testing Laboratories (Shenzhen) Co., Ltd.
1106	Modern Testing Services (Shanghai) Limited
1107	SGS Philippines Inc.
1108	Modern Testing Services (Global) Ltd.
1109	Texanlab Laboratories Pvt. Ltd.
1110	Lctech (Zhongshan) Testing Service Co., Ltd.
1111	MSR Quality Management Services, LLC
1112	Bay Area Compliance Laboratories Corp. (Shenzhen)
1113	Martel Laboratories SDS, Inc.
1115	Microbac Laboratories, Inc. - Baltimore Division
1116	Bureau Veritas Consumer Products Services (Bangladesh) Limited
1117	Intertek Testing Services (Singapore) Pte., Ltd.
1118	Modern Testing Services (HK) Ltd., Taiwan Branch
1119	SGS Taiwan Ltd. Chemical Laboratory-Kaohsiung
1121	Bureau Veritas Consumer Products Services Lanka Private Limited
1122	Michelson Laboratories, Inc.
1352	Rhodia UK Limited
1390	MPA Eberswalde Materialprüfanstalt Brandenburg GmbH

1406	Nissenken Quality Evaluation Center Deko-Text Laboratory
1125	Bureau Veritas Consumer Products Services, S.A. - Guatemala
1126	Dongguan Supreme Technology & Testing Service Co., Ltd. Lab
1127	TUV SUD PSB Pte. Ltd.
1128	TUV SUD South Asia Pvt Ltd., Bangalore
1129	Armstrong Forensic Laboratory, Inc.
1130	Microbac Laboratories, Inc. - Hauser Laboratories Division
1131	Dongguan EMTEK Co., Ltd.
1132	Trace Laboratories, Inc.
1133	TÜV SÜD Industrie Service GmbH
1134	MSI Testing & Engineering, Inc.
1135	International Asbestos Testing Laboratories
1136	Bureau Veritas Consumer Products Services, S.A. de C.V.
1137	VHG Labs, Inc.
1138	Exova Canada Inc.
1139	SGS Bangladesh Limited (Laboratory Services)
1140	EMSL Analytical, Inc.
1141	ESS Laboratory - Division of Thielsch Engineering
1142	Product Technology Service (Ningbo) Co., Ltd.

1145	Insight Laboratories (Singapore) Pte Ltd.
1146	Intertek France
1147	Intertek Vietnam Ltd.
1148	Sheffield Assay Office
1149	SGS ICTS
1493	Dongguan TCT Testing Technology Co., Ltd.
1450	Zhejiang Ruiyao Testing Technology Co., Ltd.
1461	TUV Rheinland Antaeon (Kunshan) Co., Ltd.
1150	A.E. Kirby Memorial Health Center
1151	Japan Recreation and Miscellaneous Goods Safety Laboratory
1153	CATAS SpA
1154	ACT Lab LLC
1155	Polymer Diagnostics Incorporated
1156	Shirley Technologies Ltd (subsidiary of BTG Ltd)
1157	Polymer Solutions Incorporated
1159	SGS-CSTC Standards Technical Services Co., Ltd. Qingdao Testing Center
1160	J.W.C. Enterprises, Inc. d/b/a Chemserve
1161	CTS (Ningbo) Testing Service Technology Co., Ltd.
1162	API Lab Testing Limited

1164	Bureau Veritas Consumer Products Services India Pvt. Ltd. Tirupur (India)
1165	ITS Labtest Bangladesh Ltd.
1166	Guangzhou GGG Metrology & Test Co., Ltd.
1167	Intertek Testing Services Korea Ltd.
1168	Textile Testing International
1169	Bureau Veritas Consumer Product Services Germany GmbH
1170	SEA Ltd.
1171	Intertek Kimsco Ulsan Testing Center
1172	Lehigh Testing Laboratories, Inc.
1173	CTT GROUP
1174	CMA Testing and Certification Laboratories (Shanghai) Co., Ltd.
1175	Laboratorio de Mabamex S.A. de C.V.
1376	SGS MULTILAB, S.A. de C.V.
1177	PT Mattel Indonesia
1178	MONTOI, S.A. de C.V.
1179	Mattel Malaysia SDN BHD
1180	Dongguan Radical Games Manufacturing Co., Ltd. - PI Laboratory
1181	Mattel Toys Technical Consultancy (Shenzhen) Ltd. - PI Lab
1182	Shenzhen AOV Testing Technology Co., Ltd., Kunshan Branch

1184	Galbraith Laboratories Inc.
1185	United Testing Service (Jiangsu) Co., Ltd.
1187	Mutual Cornell Environmental
1188	SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.
1189	Birmingham Assay Office
1190	INTERTEK ITALIA SPA
1192	PonyLabfor Physical & Chemical Analysis (Beijing) Co., Ltd.
1193	Southern Impact Research Center, LLC
1194	Jiangsu Jietong Inspection and Certification Co., Ltd.
1195	Wenzhou Asia Inspection Testing Technology Co., Ltd.
1196	SGS Testing & Control Services Singapore Pte., Ltd.
1197	Japan Recreation and Miscellaneous Goods Safety Laboratory Osaka Office
1198	PT. Bureau Veritas Consumer Products Services Indonesia
1199	ANSECO Group, LLC
1200	Truesdail Laboratories
1370	ASOCIACIÓN DE INVESTIGACIÓN DE LA INDUSTRIA TEXTIL (AITEK)
1417	Micom Laboratories
1201	Graduate School at Shenzhen, Tsinghua University
1202	Intertek Testing Services NA Inc.

1203	PT. Intertek Utama Services
1206	A.N.C.I. Servizi S.r.l. Section C.I.M.A.C. Centro Italiano Materiali di Applicazione Calzaturiera
1207	CSA International
1208	Shenzhen Hongcai Testing Technology Co., Ltd.
1209	SGS Institut Fresenius GmbH
1210	Amlab Services Pte Ltd.
1211	Intertek Testing Services Shenzhen Co., Ltd., Guangzhou GDD Branch
1212	Diversified Testing Laboratories, Inc.
1213	GuangDong Institute of Analysis (China National Analytical Center (GuangZhou))
1214	ULVS Laboratuvar Hizmetleri A.S.
1215	EKOTEKS Laboratuvar ve Gözetim Hizmetleri
1216	BRACHI TESTING SERVICES Di Brachi Per. Ind. Primo
1217	SGS India (P) Limited - Consumer Testing Services Laboratory, Gurgaon
1218	Union Technology Research & Service Center
1219	CTS (Ningbo) Testing Service Technology Co., Ltd.
1220	ALS Laboratory Group
1221	STC (Shanghai) Company Ltd.
1222	Quality Assurance and Testing Center (QUATEST)
1223	SATRA Technology Centre

1225	ShivaAnalytics(India)PrivateLimited
1408	SwereaIVFAB
1413	Laboratorio di Analisi, Prove e Ricerche Industriali dell'Istituto Tecnico Industriale "Tullio Buzzi"
1438	DanishTechnologicalInstitute
1227	DynamicResearchInc.
1228	TheNorthernTesthouse(Leicester)Ltd.
1229	LegendTechnicalServices
1230	SnellMemorialFoundation - CaliforniaLab
1231	MAS,LLC
1232	BureauVeritasShenzhenCo.,Ltd.,DongguanBranch
1233	TaicangACTSportingGoodsTestingCompnay,LTD.
1235	PrüfinstitutHansecontrolGmbH
1236	DEKRAAutomobilGmbH - Laboratoryfor Enviromental and Product Analysis
1237	TÜVRheinland(Guangdong)Ltd.
1238	ULVSwitzerlandAG
1239	IntertekdeGuatemala,S.A.
1240	KPrime,Inc.
1241	SGSdoBrasilLTDA
1242	ShenzhenElectronicProductQualityTestingCenter

1243	Eurofins Frontier Global Sciences
1244	Certintex S.A.C.
1245	Intertek Testing Services de México, S.A. de C.V. (2)
1247	Ningbo Fibre Inspection Institute
1248	Clothing Textile & Fibre Technological Development S.A.
1250	Meadwestvaco Safety, Health, and Environmental Laboratory
1251	DPI Laboratory (Dongguan) Limited
1252	Testing Laboratory, Mattel Bangkok Limited
1479	CertifiGroup, Inc.
1253	Chang An PI Lab of Foshan Nanhai Mattel Consultancy Service Co., Ltd.
1254	SGS (Mauritius) Ltd.
1255	Intertek India Private Limited
1256	Asociación de Investigación de la Industria del Jugete, Conexa y Afines (AIJU)
1257	ICQ (HK) Limited
1258	Chelab SRL
1259	Intertek Testing Services Shanghai Ltd., Hangzhou Branch
1445	DEKRA Testing and Certification GmbH
1418	NODA-ICHI-DENSHI Co., Ltd.
1375	PT. Modern Testing Services Indonesia

1392	UL Verification Services Inc. Canton, MA
1451	TUV SUD South Asia Pvt Ltd. - Gurgaon
1472	Bureau Veritas Consumer Products Services (India) Pvt., Ltd.
1266	CIATEC, A.C.
1383	Jiangsu TÜV Product Service Ltd. Shanghai Branch Testing Center (TÜV SÜD)
1398	McCampbell Analytical Inc.
1423	Intertek Labtest SRL
1407	Shenzhen EMTEK Co., Ltd.
1401	ITS Labtest Bangladesh Ltd. (Chittagong)
1403	Berkeley Analytical Associates, LLC
1356	DTNW Öffentliche Prüfstelle GmbH
1424	STQ Testing Services Co., Ltd.
1453	TUV Rheinland (India) Private Limited.
1360	Testing Laboratories of Canada, Corp.
1460	TUV Rheinland (India) Pvt., Limited
1495	Lab/Cor Materials, LLC
1464	South China Technical Service Co., Ltd.
1267	NM LABORATORY SDN BHD
1272	Foshan Nanhai Mattel Diecast Co., Ltd. PI (Product Integrity) Laboratory

1274	Shimadzu Techno-Research, Inc.
1275	Shanghai Pony Test Technical Co., Ltd.
1498	Zhejiang Bureau Veritas Consumer Products Service Shenyue Co., Ltd.
1378	PT Sucofindo
1430	Element Materials Technology New Berlin Inc.
1381	Milliken Pyroanalytical Center
1405	Long Beach Public Health Laboratory
1384	United Laboratory Services (Dongguan) Limited
1260	Shenzhen Morlab Communications Technology Co., Ltd.
1264	Manufacturing Solutions Center, aka Hosiery Technology Center and Division of CVCC
1265	Shimadzu (Guangzhou) Analysis & Technology Services Co., Ltd.
1270	Hanesbrands Inc. (HBI) Corporate Testing Laboratory
1273	Intertek Testing Services (Tianjin) Ltd., Qingdao Branch
1276	Intertek India Pvt Ltd, Tirupur
1277	Intertek Testing Services Hong Kong Limited
1280	Consumer Testing Laboratories, Ltd.
1282	Centexbel
1286	Intertek Testing Services Ltd. Ningbo Branch
1287	Intertek Ltd.

1292	Intertek Testing Services Ltd., Shanghai
1293	Forensic Analytical Laboratories, Inc.
1394	Modern Testing Services (India) Private Limited
1261	Genesis Testing and Inspection (Guangzhou) Corporation
1262	The Industrial Analysis Service (Shenzhen) Co., Ltd.
1268	CITEVE - Technological Centre for the Textile and Clothing Industries of Portugal
1269	Footwear Technological Institute, (INESCOP)
1271	Foshan Nanhai Mattel Consultancy Service Co., Ltd.
1289	BV Consumer Products Services Pakistan (PVT) Ltd.
1294	QA Laboratories, Inc.
1295	LAPI Laboratorio Prevenzione Incendi SpA
1296	Professional Testing Laboratory, Inc.
1298	Spectro Analytical Labs Ltd.
1300	Istituto di Ricerche e Collaudi M. Masini S.r.l.
1301	Eurofins Product Testing Service (Shanghai) Co., Ltd.
1304	UL LLC
1305	Eurofins Testing Technology (Shenzhen) Co., Ltd.
1313	Intertek India Pvt. Ltd, Bangalore
1314	SGS (M) Sdn Bhd

1315	The Govmark Testing Services
1318	HANSECONTROL Zertifizierungsgesellschaft mbH
1373	EnviroHealth Technologies, Inc.
1278	Intertek Testing Services NA, Inc.
1279	Shanghai Green Products Inspection Co., Ltd.
1291	Intertek Testing Services NA, Grand Rapids MI (Kentwood MI)
1306	Commercial Testing Company, Inc.
1309	NVL Laboratories, Inc.
1310	SGS Lanka (pvt) Ltd.
1311	SGS India Pvt Ltd - Consumer Testing Services Laboratory, Tirupur
1316	SGS Taiwan Ltd. Textile Laboratory
1319	Shantou Jingzheng Testing Service Co., Ltd.
1322	ANSECO Group (HK) Ltd.
1325	GALAB Laboratories GmbH
1327	Analytical Environmental Services International, Inc.
1332	Modern Testing Services, LLC
1333	PFI Fareast Testing & Technology Services Co. Limited
1334	Bureau Veritas Consumer Products Services Shanghai Co., Ltd. - Qingdao Branch
1337	TUV Rheinland of North America

1340	Dongguan BST Testing Co., Ltd.
1425	Hohenstein Laboratories (HK) Limited (Hong Kong Register No. 1559906)
1502	Shenzhen Anbotek Compliance Laboratory Ltd.
1281	TUV SUD America, Inc.
1288	Independent Textile Testing Service, Inc.
1320	SGS India Private Limited
1336	Shenzhen Skyte Testing Services Co., Ltd.
1341	PT SGS Indonesia
1342	AM Testing & Services, Inc.
1344	TUV SUD Certification and Testing (China) Co., Ltd., Shenzhen Branch
1345	TÜV SÜD Vietnam Co., Ltd.
1346	Shanghai ECT Testing Co., Ltd.
1347	Hangzhou C&K Testing Technic Co., Ltd.
1350	TÜV SÜD Bangladesh Pvt. Ltd.
1486	DEDALO Srl
1354	Schneider Laboratories Global, Incorporated
1358	ULVS Bangladesh Ltd.
1363	Qingdao Pony Test Co., Ltd.
1467	Ningbo Quality Assurance Co., Ltd.

1283	Cycling & Health Tech Industry R&D Center
1284	Testing Services, Inc.
1290	TouchStone Systems & Services, Inc.
1323	Modern Testing Services (Bangladesh) Limited
1324	Scientific Analytical Institute, Inc.
1326	Dongguan Accurate Technology Co., Ltd.
1339	TAIWAN CHILDREN'S COMMODITIES R&D CENTER
1355	YKK Corporation Analysis Office, Analysis Technology Center, Machinery and Engineering Group
1357	SGS-CSTC Standards Technical Services Co., Ltd., Hangzhou Branch Testing Center
1359	Centre Testing International (Shenzhen) Co., Ltd., Shunde Branch
1362	Consumer Testing Technology Co., Ltd.
1365	ICS Laboratories, Inc.
1366	SGS Consumer Testing Services Laboratory
1361	Benchmark Laboratories, LLC
1364	Umweltlabor ACB GmbH
1367	TUV Rheinland (Guangdong) Ltd.
1368	Bontek (Ningbo) Compliance Testing Laboratory Co., Ltd.
1369	SGS India Private Limited, Consumer Testing Services, Hardline Laboratory
1508	Laboratory of Jiahui Plastic & Electronic Industry (Shenzhen) Co., Ltd.

1377	BureauVeritasConsumerProductsServicesShanghaiCo.,Ltd. - NanjingBranch
1299	IntegratedServiceTechnology(KunShan)Co.,Ltd.
1302	IntertekPakistan(Public)Limited
1303	IntertekTestingServicesNA,Inc.
1307	SächsischesTextilforschungsinstitutE.V.,Prüfstelle
1395	ServicesetMetrologieTextile
1504	ConsumerTestingTechnology(Vietnam)Co.,Ltd.
1321	CentreTestingInternational(NingboBranch)
1330	CTC
1331	HeshanLeonMetrologyAndTestingServicesCo.,Ltd.
1335	XiamenSino-TechTestingTechnologyCo.,Ltd.
1338	ANALYTICALSRL
1379	GuangzhouFibreProductTestingAndResearchInstitute
1343	IKEAChinaTestLabAndTrainingCenterofIKEADistributionService(Shanghai)Co.,Ltd.
1348	LaboratoryofShenzhenLidaElectricTestingServiceCo.,Ltd.
1351	ShenzhenSaideTestingTechnologyCo.,Ltd.
1507	DongguanDongyaoToysCo.,Ltd.QALaboratory
1380	GoodbabyChildProductCo.,LTD.CentralLaboratory
1439	DongguanAnnrayTestCo.,Ltd.

1513	VUTCH-CHEMITEX, spol. s r.o.
1389	SGS-CSTC Standard Technical Service Co., Ltd. Ningbo Branch Testing Center
1400	Hansecontrol Dongguan Technology Consulting Service Limited
1402	ASESORIA EMPRESARIAL Y HUMANA S.C.
1404	Bureau Veritas Consumer Products Services (Chittagong) Ltd.
1409	Center Good-Testing Service (Zhejiang) Co., Ltd.
1411	University of Cincinnati Leather Research Laboratory
1414	TUV Rheinland Bangladesh Pvt. Ltd.
1382	TUV Rheinland Thailand Ltd.
1387	SGS-CSTC Standard Technical Service Co., Ltd. Anji Branch Testing Center
1415	Bay Area Compliance Laboratories Corp. (Dongguan)
1419	Standard Technology Union Co., Ltd.
1434	ICQ-MED
1470	SGS Pakistan (Pvt) Ltd- Lahore Office
1385	ÉMI-TÜV SÜDKft.
1487	Hangzhou Brachi Technological Services Co., Ltd.
1443	Union Technology Research & Service Center (Dong Guan Company)
1396	Integrated Paper Services, Inc.
1452	PT. QUALIS INDONESIA

1410	WorldStandardizationCertification&Testing(Shenzhen)Co.,Ltd.
1416	BureauVeritasConsumerProductsServicesJiangsuCo.,Ltd.
1420	ShenzhenGeneralStandardTestingServicesCo.,Ltd.DongguanTangxiaBranch
1446	TÜV SÜD Product Service GmbH
1458	TUV Rheinland (India) Pvt. Limited
1483	Kaken Test Center
1514	HCTSHansecontrolCertification&TestingServicesLimited
1429	TestingLaboratoryCenter,ChinaBambinoPreziosoCo.,Ltd.
1431	YubiaoTestingandCertificationLaboratory(Shenzhen)Limited
1459	SLGPruef- undZertifizierungsGmbH
1473	OstreaMineralLaboratories,Inc.
1428	TestingLaboratoryCenter,ChinaWonderlandNurserygoodsCo.,Ltd.
1432	InstitutFrançaisTextileHabillement
1435	GuangdongWonder(Guangzhou)TestingInternationalCo.,Ltd.
1436	CTCShanghaiCo.,LtdDongguanBranch
1437	TesttexIndiaLaboratoriesPvt.Ltd.
1440	TÜV Rheinland Uluslararası Standartlar Sertifikasyon ve Denetim A.Ş.
1441	IntertekTestingServicesLaboratory - Cambodia
1449	IntertekTestingServicesShenzhenLtd.

1455	Shenzhen FLION Testing Technologies Co., Ltd.
1456	Eurofins Consumer Product Testing GmbH
1372	Electronics Testing Center, Taiwan (Green Products Testing Lab.)
1374	High Street Textile Testing Services Limited
1506	Earlylight Laboratory of Shaoguan Earlylight International Co., Ltd.
1463	DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch
1499	Shenzhen NTEK Testing Technology Co., Ltd.
1465	Waltek Services (Foshan) Co., Ltd.
1466	Eurones (Dongguan) Consumer Products Testing Service Co., Ltd.
1471	Intertek Egypt for Testing Services
1386	ALS Environmental - Jacksonville
1388	SGS-CSTC Standards Technical Services Co., Ltd., Changzhou Branch
1397	NSF (Shanghai) Testing Technology Co., Ltd.
1478	CIERRE Srl
1412	BOMBAY TEXTILE RESEARCH ASSOCIATION
1421	Institut pro Testování a Certifikaci, s.r.o.
1422	Zhejiang Yiwu Ruiyi Testing Services Co., Ltd.
1426	Teknologiki Institut, Khimskoye Mikrobiologisk Laboratorium
1484	HI-TECH Environmental DBA STAT Analysis Corp.

1391	Exova Inc.
1427	Tempur Sealy International, Inc.
1476	Eurofins Product Testing Service (Shanghai) Co., Ltd., Hangzhou Branch
1480	Bureau Veritas (Cambodia) Limited
1481	Intertek Lanka (Pvt.) Ltd.
1488	Attestation of Global Compliance (Shenzhen) Co., Ltd.
1490	Zhejiang Hengxiang Textile Testing Co., Ltd.
1501	TESTEX India Laboratories Private Ltd., NOIDA BRANCH
1477	SGS Japan Inc. CTS Laboratory Chemical Laboratory
1482	Hermes Hansecontrol Technical Testing Service (Shanghai) Company Limited
1485	Guangdong Ruike Normal Technology Co., Ltd.
1491	TUV SUD Certification & Testing (China) Co., Ltd., Xiamen Branch
1496	KOTITI Bangladesh Ltd.
1497	ITS Testing Services (M) Sdn Bhd
1500	Fujian Consumer Testing Technology Co., Ltd.
1503	Ecological Laboratories Pvt. Ltd.
1505	Shenzhen Sturdy Testing Technical Services Co., Ltd.
1509	Chemical Laboratory of Kidtoys (Shenzhen) Toy Co., Ltd.
1510	Kotiti Vietnam Limited

1512	United (Shanghai) Testing Services Co., Ltd.
1515	SGS Española de Control, S.A.
1447	Centre Testing International (Shenzhen) Co., Ltd.
1442	FIT (SHANGHAI) TESTING & INSPECTION CO., LTD.
1444	Shantou Perfect Testing Technology Group Co., Ltd.
1475	Intertek Testing Services de México S.A. de C.V.
1468	Jiangsu Asia Space Testing Services Co., Ltd.
1469	Intertek Vietnam Ltd-Textile and Chemical Laboratory in Hanoi
1511	Shenzhen Precise Testing Technology Co., Ltd.
1489	Dongguan Huaxin Products Testing and Technology Co., Ltd.
1492	Bureau Veritas Consumer Products Services (Guangzhou) Co., Ltd., Quanzhou Branch
1494	Shenzhen Precision Eyewear Testing & Inspection Services Co., Ltd.