Chomerics Americas Division Policy CHO-EH-3

Subject	Effective Date	Supersedes	This Sheet	Total Sheets
CHO-EH-3 Global Chomerics Product Environmental Quality Regulations	**09/05/13, Rev 2/13/19**		**1**	**16**

1. Purpose

1.1. The purpose of this policy is to establish the minimum PEQ acceptance requirements Suppliers must meet and Certify compliance to for all Incoming Materials supplied to Parker Hannifin Corporation, Chomerics Division (Chomerics).

2. Applicability and Scope

2.1. Chomerics products must comply with a number of US, European Union (EU), and other Environmental, Health, and Safety Regulations. Many of Chomerics products must also comply with Chomerics Material Substance Requirements and Industry Specifications that are more stringent than the Regulations. Chomerics collectively calls these Regulations, Requirements, and Industry Specifications Product Environmental Quality (PEQ) Requirements. Chomerics ensures PEQ compliance by using products that comply with PEQ Requirements.

2.2. This policy establishes the minimum testing requirements to verify EU Restrictions on Hazardous Substances (ROHS) compliance for Incoming Materials and Chomerics Americas products.

2.3. This policy contains a provision for exception(s) to the minimum requirements.

3. Applicable Documents and Software

3.1. Additional information on Chomerics Americas PEQ Requirements can be found using the following links.

3.2. EU ROHS – Restrictions on Hazardous Substances

http://www.rohs.gov.uk/

3.3. EU PFOS – Perfluorooctanesulfonates Ban

http://www.just-style.com/articlerelated.aspx?id=91180&lk=nap

3.4. EU REACH – Registration, Evaluation, and Authorisation of Chemicals

http://ec.europa.eu/environment/chemicals/reach/reach_intro.htm.

3.5. Hazard Communication

http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=standards&p_id=10099

3.6. IEC Halogen Free – International Electrochemical Committee Specification 61249-2-21

http://www.ipc.org/ContentPage.aspx?pageid=IEC-Definition-of-Halogen-Free

3.7. GADSL List – Global Automotive Declarable Substances List

http://www.gadsl.org/

3.8. K1246728 - Hazard Assessment Summary (used in Process Hazard Analysis and Job Safety Assessment)

3.9. California's "Safe Drinking Water and Toxic Enforcement Act of 1986", also known as Proposition 65

http://oehha.ca.gov/prop65/

4. Definitions

4.1. CHO – Chomerics North America

4.2. Articles - Products with specific shape/surface/design which determines function more than chemical composition (i.e. liners, cloths, molded parts).

4.3. Incoming Material - Materials used by Chomerics (5 Categories):

4.3.1. Existing Raw Material - Raw Materials in the Supply Chain Procured through Chomerics Purchasing against Chomerics Purchase Orders. Preparations and Articles in the Supply Chain used in the production process and existing product packaging.

4.3.2. New Raw Material - Raw Materials that will become part of the Supply Chain. Preparations /Articles to be included in the Supply Chain for use in production and new packaging that will be used to ship products.

4.3.3. Raw Material Substitutions - Replacement of a Raw Material through another vendor with the same/similar material. Replacements for Preparations/Articles in the Supply Chain used in production processes and replacement packaging to ship products.

4.3.4. Potential Raw Material - Raw Materials that are used to develop new Products or change existing Products. Preparations /Articles not in the Supply Chain used in trial production processes and new packaging that may be used to ship products.

4.3.5. Other Materials - Non-Production Related Materials Mostly Procured through P-Cards. Non-Production Related Maintenance Preparations (i.e. is, liquid/powder cleaners) and Articles (i.e. machine parts).

4.4. Incoming Material Initiator – Chomerics Person or Organization that procures or specifies Incoming Materials.

4.4.1. Existing Raw Materials (Procurement) - Flow Down is completed by reference on Chomerics P.O.s.

4.4.2. New Raw Materials (Typically Platform Engineering) – Required.

4.4.3. Potential Raw Materials (Typically NBD and R&D) – Recommended.

4.4.4. Raw Material Substitutions (Typically Procurement and Platform Engineering) - Required. Flowdown is completed by the Incoming Material Initiator.

4.4.5. Other Raw Materials (Typically Maintenance) – Flowdown is completed by the Incoming Material Initiator as indicated in this procedure. A Supplier Certification is not required.

4.5. Preparation - Uncured mixtures of Substances, or mixtures of Substances not in final form (i.e. liquids, powders and pellets).

4.6. PEQ - Product Environmental Quality (such as Hazard Communication, TSCA, EU Directives, Industry Standards, and Customer Requirements).

5. Responsibilities

5.1. The implementation of this policy is the responsibility of all incoming material initiators for all incoming materials, and designated Platform Engineers for ROHS Testing.

6. Requirements

6.1. Existing Raw Material Suppliers – Incoming Materials purchased against Chomerics Purchase Orders.

6.1.1. All materials and packaging supplied to Chomerics shall comply with all Requirements listed in Section 6 unless exceptions are taken by the Supplier and accepted by Chomerics.

6.1.2. Exceptions to any requirements need to be communicated back to the Buyer as appropriate.

6.1.3. The Buyer will communicate the request for exception to the Global Platform Manager for review.

6.1.4. Material or packaging under exception review shall not be purchased until the Platform Manager accepts the exception request in writing to the Buyer and Chomerics EHS.

6.2. Potential or New Raw Material Suppliers and Raw Material Substitution Suppliers – Incoming Materials that are not and have not been purchased against Chomerics Purchase Orders.

6.2.1. The Incoming Material Initiator follows Section 4.12 Chomerics Supplier PEQ Flowdown Worksheet Instructions at the end of this document.

6.3. Other Raw Materials (Typically Maintenance items purchased on P-Cards)

6.3.1. The Incoming Material Initiator ensures materials comply with 4.6 Section D. A Supplier PEQ Flowdown Certification Worksheet is not required.

6.4. Section A. ROHS (Restriction Of the use of certain Hazardous Substances) – EU Recast Directive 2015/863EU – also called ROHS3

6.4.1. 10 chemicals/chemical categories must not be present in homogeneous materials above the following limits.

6.4.1.1. Cadmium <100 ppm.
6.4.1.2. Hexavalent Chromium, Mercury, Lead, Poly Brominated Biphenyls (PBB), Poly Brominated Diphenyl Ethers (PBDE) <1,000 ppm each.
6.4.1.3. DEHP, BBP, DBP, DIBP <1,000 ppm each effective July 22, 2019.

6.4.2. Does not apply to packaging materials.

6.4.3. Homogeneous materials are materials that cannot be broken down into their component parts (e.g., copper foil, coatings, and coated fabrics).

6.5. Section B. PFOS (Perfluorooctanesulfonates) Ban in Textiles and Consumer Products – EU Directive 2006/122/EC

6.5.1. PFOS concentrations must not exceed the following limits in parts and materials supplied to Chomerics:

6.5.1.1. 0.005% in mixtures (such as paints, caulks)
6.5.1.2. 0.1% in articles
6.5.1.3. 1 ug/square meter in coated materials.

6.5.2. Does not apply to packaging materials.

6.6. Section C. REACH (Registration, Evaluation, and, Authorisation, of Chemicals) – EU Directive 1272/2008

6.6.1. All Substances in non-articles are or will be pre-Registered or Registered by the Supplier, or their upstream Suppliers, and must be disclosed to Chomerics.

6.6.2. Concentration of Substances of Very High Concern (SVHC) in article material(s) must be disclosed to Chomerics.

6.6.3. Article – A material given a specific shape, surface, or design that determines its function (such as cured elastomers, gaskets, and sheetstock).

6.6.4. Substance – A chemical including impurities, such as metals and solvents.

6.6.5. Substances of Very High Concern (SVHC)– Chemicals that are:

6.6.5.1. Carcinogenic, Mutagenic, and/or toxic for Reproduction (CMR Chemicals)
6.6.5.2. Persistent, Bioaccumulative, and/or toxic (PBT chemicals) - may include metals such as nickel and arsenic and many halogenated chemicals.
6.6.5.3. Candidate List Substances of Very High Concern (report concentrations of Substances listed at the following link).

http://echa.europa.eu/candidate-list-table

6.7. Section D. Hazard Communication – OSHA 1910.1200

6.7.1. Each shipment of non-article material must be accompanied by an OSHA Global Harmonization Standard (GHS) compliant Material Safety Data Sheet (MSDS).

6.7.2. Each container must have GHS compliant hazard communication labeling in English.

6.7.3. All Substances in non-article material must be listed in the Toxic Substances Control Act (TSCA) List.

6.7.4. Suppliers must inform Chomerics of TSCA 12(b) Export Notification Requirements for Substances in non-article material.

6.8. Section E: Requirements for Packaging Materials:

6.8.1. The combined concentration of cadmium, lead, mercury, and hexavalent chromium must be <100 ppm in packaging materials supplied to Chomerics.

6.8.2. PVC cable ties are prohibited.

6.8.3. Packaging materials are defined as any material to be used for the containment, protection, handling, labeling, marking, delivery and presentation of Chomerics products. Returnable packaging materials to be used for Chomerics products are exempt.

6.9. Section F. Halogen Free – International Electrochemical Commission Halogen Free Specification 61249-2-21

6.9.1. Total chlorine concentration in each homogeneous material <900 ppm.

6.9.2. Total bromine concentration in each homogeneous material <900 ppm.

6.9.3. Total halogen concentration in each homogeneous material <1,500 ppm.

6.10. Section G. Chomerics Substance Requirements (Includes Parker Prohibited and Restricted Substances)

6.10.1. Level 1: The following substances are banned for use in parts and materials delivered to Chomerics, unless an exception is approved in advance.

6.10.1.1. Cadmium and cadmium compounds
6.10.1.2. Cobalt Dichloride (used as a moisture indicator in desiccants)
6.10.1.3. Lead and lead compounds
6.10.1.4. Mercury and mercury Compounds
6.10.1.5. Hexavalent chromium compounds
6.10.1.6. Ozone Depleting Substances (ODS)
6.10.1.7. Polychlorinated biphenyls (PCB)
6.10.1.8. Polychlorinated naphtalenes (PCN)
6.10.1.9. Polychlorinated terphenyls (PCT)
6.10.1.10. Short-chain chlorinated parrafins (SCCP)
6.10.1.11. Polybrominated biphenyls (PBB)
6.10.1.12. Polybrominated diphenylethers (PBDE)
6.10.1.13. Tributyl tin (TBT)
6.10.1.14. Triphenyl tin (TPT)
6.10.1.15. Asbestos
6.10.1.16. Formaldehyde
6.10.1.17. Polyvinyl chloride (PVC) and PVC blends
6.10.1.18. Beryllium oxide
6.10.1.19. Hydroflurocarbons (HFC), Perfluorocarbon (PFC)
6.10.1.20. Specific Benzotriazole (CAS 3846-71-7)
6.10.1.21. Cobalt Dichloride (used in moisture indicator paper)
6.10.1.22. PFOS (Perfluorooctanesulfonates) in Packaging
6.10.1.23. Dibutylin Tin (all applications including additives of plastics)
6.10.1.24. Dioctyl Tin (additives of textiles)
6.10.1.25. 4-[bis(dimethylamino)benzhydrilidine] cyclohexa 2,5-dien-1-ylidene] dimethylammonium chloride (CI Basic Violet 3)
6.10.1.26. Dimethyl Furmamate
6.10.1.27. Fluorinated Greenhouse Gases
6.10.1.28. Perchlorates
6.10.1.29. Radioactive Substances
6.10.1.30. Specific phthalates (DEHP, DBP, BBP, DINP, DNOP, DNHP)
6.10.1.31. Crystalline Silica Quartz (Powder Form)
6.10.1.32. Tetrachloroethylene

6.10.1.33. Trichloroethylene
6.10.1.34. TDCPP CAS 13674-87-8 Effective 1/1/19.
6.10.1.35. TCEP CAS 115-96-8 Effective 1/1/19

6.10.2. Level 2: The following Substances will become LEVEL 1 Substances on the given date for parts and materials delivered to Chomerics.

None

6.10.3. Level 3: The following substances will become LEVEL 2 substances in phases depending on the availability of alternative parts and materials that satisfy the intended uses. Chomerics must be informed if they are intentionally used, and are present in parts and materials delivered to Chomerics.

6.10.3.1. Beryllium Copper
6.10.3.2. Other chlorinated organic compounds (RoHS Compliant Flame Retardants)
6.10.3.3. Other brominated organic compounds (RoHS Compliant Flame Retardants)
6.10.3.4. Azo compounds with the following CAS Numbers

92-67-1	106-47-8	838-88-0	95-80-7	97-56-3	119-90-4
92-87-5	615-05-4	120-71-8	137-17-7	99-55-8	119-93-7
95-69-2	101-77-9	101-14-4	90-04-0	139-65-1	
91-59-8	91-94-1	101-80-4	60-09-3	95-53-4	

6.10.4. Exemptions: Specific exemptions apply for several substances in various levels that are too numerous to list here. Acceptance of materials and packaging on the basis of exemptions will be made on a case-by case basis.

6.11. Section H. Specific IMDS Declaration Requirements

6.11.1. The Supplier must disclose concentrations of all Substances contained in Article and Non-Article Materials sold to Chomerics through a Material Data Sheet (MDS) submitted to Parker Hannifin Corporation, Chomerics USA, or equivalent information as approved by Chomerics
6.11.1.1. Francis O'Donnell at IMDS ID 99510 (for Webster Plastics incoming materials),
6.11.1.2. Shawne Deary at IMDS ID 36636 (Chomerics North America incoming materials).
6.11.1.3. Nabeel Akhter at IMDS ID 1851 (Chomerics Europe incoming materials)
6.11.1.4. Grace Wei at IMDS ID 94739 (Chomerics Asia incoming materials)

6.12. Section I. California Proposition 65 Chemicals

6.12.1. California's "Safe Drinking Water and Toxic Enforcement Act of 1986", also known as Proposition 65, requires California to publish a list of chemicals known to cause cancer, birth defects, or other reproductive harm. Proposition 65 requires businesses to notify Californians about significant amounts of chemicals in the products they purchase, in their homes or workplaces, or that are released into the environment. The Office of Environmental Health Hazard Assessment (OEHHA) administers the Proposition 65 program. OEHHA, which is part of the

California Environmental Protection Agency (Cal/EPA), also evaluates all currently available scientific information on substances considered for placement on the Proposition 65 list.

6.12.2. Chomerics must be informed of any Proposition 65 Substances that are intentionally used and/or are present in parts and materials delivered to Chomerics.

6.12.3. Use the attached link to access the most recent Proposition 65 List.

http://oehha.ca.gov/prop65/prop65_list/newlist.html

6.13 Chomerics Supplier PEQ Flowdown Worksheet Instructions (also shown in flowchart below)

6.13.1 Chomerics Incoming Material Initiator:

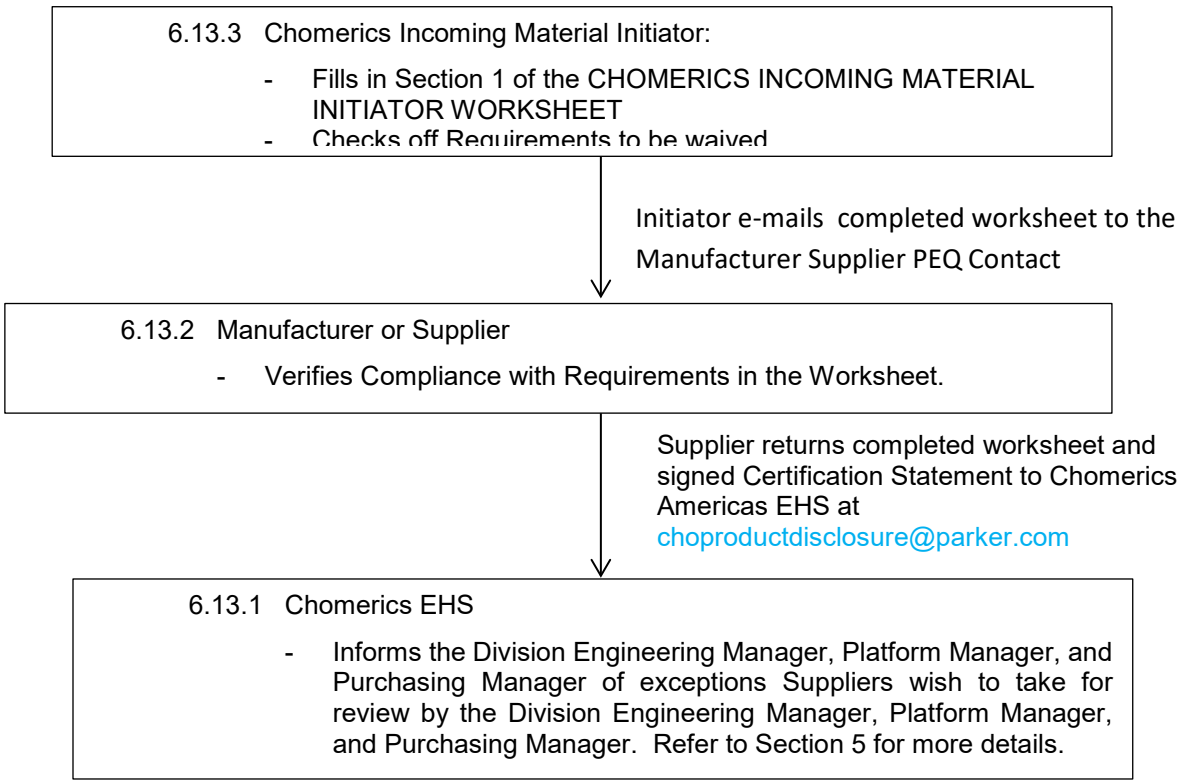
- Fills in Section 1 of the CHOMERICS INCOMING MATERIAL INITIATOR WORKSHEET, as required by Chomerics EHS through Potential Raw Material Review.
- Checks off Requirements to be waived.
- E-mails the completed worksheet with a copy of this document to the Manufacturer or Supplier PEQ Contact.
- Please contact the Chomerics Americas EHS Manager at sdeary@parker.com with questions about using this worksheet.

6.13.2 Manufacturer or Supplier

- Verifies Compliance with Requirements in the Worksheet.
- Returns completed worksheet and signed Certification Statement to Chomerics Americas EHS at lauren.tierney@parker.com.

6.13.3 Chomerics EHS

- Informs the Division Engineering Manager, Platform Manager, and Purchasing Manager of exceptions Suppliers wish to take for review by the Division Engineering Manager, Platform Manager, and Purchasing Manager. Refer to Section 5 for more details.



Chomerics Supplier PEQ Flowdown Certification Worksheet

Incoming Material Trade Name:_____

Manufacturer or Supplier:_____

Chomerics Incoming Material Initiator Name:_____

Manufacturer or Supplier PEQ Contact Name:_____

Manufacturer or Supplier PEQ Contact e-mail and Phone Number:_____

Dear Manufacturer or Supplier:

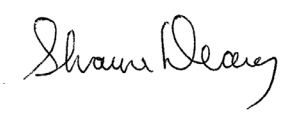
Chomerics Americas products must comply with a number of US, European Union (EU), and other Environmental, Health, and Safety Regulations. Many of Chomerics Americas products must also comply with Chomerics Material Substance Requirements and Industry Specifications that are more stringent than the Regulations. Chomerics Americas collectively calls these Regulations, Requirements, and Industry Specifications Product Environmental Quality (PEQ) Requirements.

The most reliable means to ensure Chomerics Americas products comply with PEQ Requirements is to use only incoming materials that comply with PEQ Requirements. The purpose of this worksheet and attached document is to inform you of Chomerics Americas PEQ requirements for incoming materials supplied to Parker Hannifin Corporation, Chomerics Division (Chomerics).

Compliance with the PEQ Requirements indicated in the attached worksheet along with a Certification Statement is needed before Chomerics can use your material. To accomplish this, please complete the Manufacturer or Supplier PEQ Contact Compliance Confirmation column in the attached table, have the appropriate person at your company sign and date the Certification Statement following the table, and return the signed copy to choproductdisclosure@parker.com

If you have any questions about completing this worksheet, please contact Shawne Deary at 603-765-9279, or send an e-mail to sdeary@parker.com.

Sincerely yours,



Shawne Deary

Chomerics Americas EHS Manager

CHO-EH-3 Parker CHO Division Product Environmental Quality Regulations	Compliance Required	Compliance Waived by Initiator ("X" if waived)	Manufacturer or Supplier PEQ Contact Compliance Confirmation Circle Yes or Take Exception, provide Additional Information as required for each requirement in **CHO-EH-3 Parker CHO Division Product Environmental Quality Regulations**
6.4 Section A. ROHS	Yes		Yes Take Exception
6.5 Section B. PFOS	Yes		Yes Take Exception
6.6 Section C. REACH	Yes		Yes Take Exception
6.7 Section D. Hazard Communication – OSHA 1910.1200	Yes		Yes Take Exception
6.8 Section E. Requirements for Packaging Materials	Yes		Yes Take Exception
6.9 Section F. Halogen Free – IEC Halogen (61249-2-21)	Yes		Yes (if not waived) Take Exception (unless waived)
6.10 Section G. Chomerics Substance Requirements	Yes		Yes Take Exception
6.11 Section H - IMDS	Yes		Yes (if not waived) Take Exception (unless waived)
6.12 Section I - CA Prop 65 Chemicals	Yes		Yes Take Exception

Certification Statement

As a representative of _____, I state to the best of my knowledge the product(s) indicated above comply with requirements as indicated in the Manufacturer or Supplier PEQ Contact Compliance Confirmation Column in the Table above, and have provided additional information as required by each Section in **PARKER HANNIFIN CORPORATION, CHOMERICS DIVISION PRODUCT/PACKAGING ENVIRONMENTAL QUALITY REQUIREMENTS** referenced in the table above.

Manufacturer or Supplier Representative Name (Signature):_____

Manufacturer or Supplier Representative Name (Printed):_____

Date:_____

6.14 Chomerics Internal ROHS Compliance Testing

6.14.1 Third Party ROHS Testing on selected incoming materials and Chomerics products (post-launch) will be conducted based on the following:

6.14.1.1 Identify Moderate and High Risk Incoming Materials using the following guidance:

Moderate & High Risk Raw Material Types	Possible ROHS Non-Compliance	Basis
Metals (especially zinc) Metal Powders (especially Low Melt Alloys)	Lead, Cadmium	EU Guidance and previous Chomerics testing showed compliant but elevated levels
Colored Plastics (Especially Yellow, Orange, Red and Green)	Cadmium	EU Guidance and internet search
Pigments (Especially Yellow, Orange, Red and Green)	Cadmium	EU Guidance and internet search
PVC Materials	Cadmium	EU Guidance and previous Chomerics testing compliant but elevated levels
Flame Retardants and Flame Retardant Materials	PBB/PBDE	EU Guidance and previous Chomerics testing compliant but elevated levels

6.14.1.2 Platforms will Select Identified Incoming Materials for Testing with input from Division Engineering each fiscal year using the following criteria:

6.14.1.2.1 Incoming Material value (Purchasing Dollars).

6.14.1.2.2 Chomerics Product Sales (Sales Dollars of Chomerics Products that contain Identified Incoming Materials).

6.14.1.2.3 Management Approved Testing Budget.

6.14.1.2.4 Chomerics EHS will coordinate ROHS testing with assistance from the Platforms.

6.14.1.2.5 Acceptable ROHS testing methods are shown in the ROHS Testing Methodologies table. Equivalent methods recommended by qualified third party testing laboratories are also acceptable.

RoHS Testing Methodologies

Substance	Acceptable Analytical Methodology	Typical Sample Preparation Techniques
Cadmium	Inductively Coupled Plasma - Atomic Emission Spectroscopy Inductively Coupled Plasma - Mass Spectroscopy Atomic Absorption Spectroscopy	Incineration under the existence of sulfuric acid A pressurized decomposition method done in a sealed container An acid decomposition method under the existence of nitric acid, and hydrogen-peroxide water, and hydrochloric acid A wet decomposition method under the existence of sulfuric acid, nitric acid, and hydrogen-peroxide water
Lead	See Cadmium	See Cadmium
Mercury	See Cadmium, plus Cold Vapor Atomic Absorption Spectroscopy	-
Total Chromium (if used for screening for Hexavalent Chromium)	Atomic Absorption Spectroscopy	See Cadmium
Hexavalent Chromium (if Total Chromium is detected)	Alkaline Digestion/Colorimetric Method Spot-test procedure/boiling water extraction procedure	-
Total Bromine (if used for screening for PBB and PBDE)	Gas Chromatograph/Mass Spectroscopy	-
PBB/PBDE (if bromine is found, and investigation through vendors is inconclusive)	Gas Chromatograph/Mass Spectroscopy High Pressure Liquid Chromatography - Ultraviolet/Visible Spectroscopy	-
DEHP, BBP, DBP, DIBP	Gas Chromatograph/Mass Spectroscopy	-

6.14.1.2.6 All RoHS samples sent to an analytical lab are subject to the following requirements.

6.14.1.2.7 Sample Size **-** The following minimum sample sizes apply:

Lead	5 grams
Cadmium	5 grams
Mercury	5 grams
Chromium	10 gram

PBB & PBDE 15 grams

DEHP, BBP, DBP, DIBP 15 grams

All Tests 55 grams

6.14.1.2.8 Sample Packaging/Identification Requirements

- Package and seal samples in plastic or paper bags.
- All samples or sample packages must be given a unique sample ID number and be traceable by Batch and Lot Numbers.
- Clearly identify the sample ID number and its contents on the bag.
- Include each sample ID to be tested on a form.
- Include what analyses are needed for each sample.

6.14.1.2.9 ROHS Test Results will be stored by EHS.

6.14.2 Waiver

6.14.2.1 Only Global Platform Managers are authorized to grant waivers for Incoming Material PEQ compliance in writing to Chomerics EHS before the Incoming Material can be released to Production. Acceptable reasons for waivers include but are not limited to:

6.14.2.2 Military Use Only.

6.14.2.3 Non-Electronics Use (ROHS Compliance Waiver only).

7 Shipments and Markings

7.1. Each shipping container and overpack shall meet the following requirements:

7.1.1. Hazard Communication, including but not limited to:

7.1.2. A hardcopy of applicable MSDS(s) or SDS(s) as appropriate.

7.1.3. Phased Global Harmonization Standard (GHS) Requirements through CY2015.

7.1.4. US Department of Transportation (USDOT) marking, labeling, and shipping paper requirements for ground and air shipments.

7.1.5. International Air Transportation Association (IATA) marking, labeling, shipping paper, carrier, and country requirements for air shipments.

8. Quality Control

8.1. Audits shall be included in the standard CHO internal audit program conducted by a representative from the Divisional Quality Department. Corrective actions shall be implemented upon identifying a non-conformance. (QSi) Documentation of the audit and any corrective actions shall be stored in Enovia.

9. Engineering Change Control

9.1. To follow ECO/ECR flow in Enovia.

Revision History

Date	Revision Number	Change	Revised By
12/5/12	0	Original Issue of ES-0014, Supercedes W-1-6797 W-1-6846, PS-001 through PS-004	Shawne Deary
12/19/12	1	Added 12/19/12 REACH Candidate List Substances. Added SIN List Database website to aid Suppliers with required reporting for other SVHC	Shawne Deary
7/18/13	2	Removed JIG 101 Substance Category and included chemicals under Chomerics' Substance Requirements. Moved Specific Phthalates from a level 3 to a level 1 substance.	Lauren Tierney
8/2/13	3	Replaced REACH Candidate Listing with link to most current list, and instructions to declare concentration if present.	Shawne Deary
9/5/13	4	Original Issue of CHO-EH-3, Supercedes ES-0014	Shawne Deary
2/26/14	5	Removed remaining references to ES-0014, added requirements to send copy of CHO-EH-3 with Supplier flowdown document.	Shawne Deary
9/8/16	6	Globalized document. Made all references to Platform Managers, Global Plaform Managers for clarity. Added reference to choproductdisclosure@parker.com	Shawne Deary
11/30/16	7	Added crystalline silica quartz powder, trichloroethylene, and tetrachloroethylene to Section G, Level 1 Substance List as it is a Parker Prohibited Substance for use in manufacturing products.	Shawne Deary
12/12/16	8	Made Sections G and I applicable to all POs, unless specific exceptions are approved in advance of purchasing materials. Assed TDCPP and TCEP chlorinated flame retardants to Level II Substances in aanticipation of 1/1/2019 use ban.	Shawne Deary

2/7/18	9	Refer to January 2018 SVHC additions	Shawne Deary
9/20/18	10	Refer to June 2018 SVHC Additions	Shawne Deary
2/13/19	11	Refer to January 2019 SVHC Additions. Updated ROHS Description and added 4 Pthalates. Stated the Chomerics Substance Requiremens includes the Parker Restricted and Prohibited Subastances List. Moved TDCPP/TEP from Leverl II to Level I Substances since they were due to become Level I Substances by 1/19/19 or ealier.	Shawne Deary