

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02 Issue Date: 10/08/15 Rev. No: 07 LAB 114</b>
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## **Accreditation No: LAB 114**

### **Awarded to**

### **Defence Science & Technology Organization (DESTO) Analytical Laboratory DESTO Labs Complex, Chattar HQ, Rawalpindi, Pakistan**

The scope of accreditation is in accordance with the standard specifications outlined in the following page(s) of this document. The accredited scope shall be visible and legible in areas such as customer service, sample-receiving section etc and shall not mislead its users.

The accreditation was first time granted on **31-10-2016** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2005**.

The accreditation requires regular surveillance, and is valid until **30-04-2020**.

The decision of accreditation made by Pakistan National Accreditation Council implies that the organization has been found to fulfill the requirements for accreditation within the scope.

The organization however, itself is responsible for the results of performed measurements/tests.

### **PAKISTAN NATIONAL ACCREDITATION COUNCIL**

07-01-2020

Date

Sd.

Director General

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### Testing Laboratory.

Accreditation Scope of **DESTO Analytical Lab. Chattar Rawalpindi, Pakistan.**

Permanent laboratory premises

Materials/ Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Soil/ Solid materials, Water/ Aqueous samples & Organic Liquids	Environmental Testing	Convention on the prohibition of Chemical Weapons. Chemicals schedule “ included in the toxic chemicals, their precursors and degradation products & related compounds such as: <b>1.</b> O-Alkyl ( $\leq C_{10}$ , incl. cycloalkyl) Alkyl (Me, Et, n-Pr or i-Pr)-phosphonofluoridates <b>2.</b> O-Alkyl ( $\leq C_{10}$ , incl. cycloalkyl) N,N-dialkyl(Me, Et, n-Pr or i-Pr) phosphor amidocyanidates <b>3.</b> O-Alkyl (H or $\leq C_{10}$ , incl. cycloalkyl) S-2-dialkyl(Me, Et, n-Pr or i-Pr)-aminoethyl alkyl (Me, Et, n-Pr or i-Pr)phosphonothiolates <b>4.</b> Sulfur mustards: Bis(2-chloroethyl)sulfide, Bis(2-chloroethylthio)methane, (2-chloroethylthio) ethane, Bis(2-chloroethylthio)-n-propane, 1,4-Bis(2-chloroethylthio)-n-butane, 1,5-Bis(2-chloroethylthio)-n-pentane, Bis(2-chloroethylthiomethyl)ether, Bis(2-chloroethylthioethyl)ether, <b>5.</b> Lewisites: 2-Chlorovinyl dichloroarsine, Bis(2-chlorovinyl)chloroarsine, Tris(2-chlorovinyl)arsine <b>6.</b> Nitrogen mustards: Bis(2-chloroethyl)ethylamine, Bis(2-chloroethyl)methylamine, Tris(2-chloroethyl)amine, And Alkyl (Me, Et, n-Pr or i-Pr)phosphonyldifluorides. O-Alkyl (H or $\leq C_{10}$ , incl. cycloalkyl) O-2-dialkyl (Me, Et, n-Pr or i-Pr)-aminoethyl alkyl (Me, Et, n-Pr or i-Pr) phosphonites , Chlorosarin: O-Isopropyl	Blue Book, ISBN 978-952-107408-0, Publisher : University of Helsinki printed at Valopaino Oy Helsinki 2011 and / or Reported methods in literature; Wquipment used : GC/MS (CI&EI), GC with FID, NPD, FPD, ECD, AED & FTIR, LC/MS/MS and NMR etc.

07-01-2020  
Date

Sd. \_\_\_\_\_  
Director

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		<p>methylphosphonochloridate, Chlorosoman:  O-Pinacolyl methylphosphonochloridate, PFIB:  1,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1-prope  ne, 3-Quinuclidinyl benzilate, O-Ethyl S-phenyl  Ethylphosphonothiolothionate, Chemicals, except  for those listed in Schedule 1, containing a  phosphorus atom to which is bonded  one methyl, ethyl or propyl (normal or iso) group  but not further carbon atoms, N,N-Dialkyl (Me,  Et, n-Pr or i-Pr) phosphoramidic dihalides,  Dialkyl (Me, Et, n-Pr or i-Pr) N,N-dialkyl  (Me, Et, n-Pr or i-Pr)-phosphoramidates, Arsenic  trichloride, 2,2-Diphenyl-2-hydroxyacetic acid,  Quinuclidin-3-ol, (1N,N-Dialkyl (Me, Et, n-Pr or  i-Pr) aminoethyl-2-chlorides, N,N-Dialkyl (Me,  Et, n-Pr or i-Pr), N,N-Dialkyl (Me, Et, n-Pr or  i-Pr) aminoethane-2-thiols, Thiodiglycol:  Bis(2-hydroxyethyl)sulfide, Pinacolyl alcohol:  3,3-Dimethylbutan-2-ol, Phosgene: Carbonyl  dichloride, Cyanogen chloride, Hydrogen cyanide,  Chloropicrin: Trichloronitromethane, Phosphorus  oxychloride, Phosphorus trichloride, Phosphorus  pentachloride, Trimethyl phosphite , Triethyl  phosphate, Dimethyl phosphate, Diethyl  phosphate, Sulfur monochloride, Sulfur  dichloride, Thionyl chloride,  Ethyl-diethanolamine, Methyl-diethanolamine,  Triethanolamine, Trichloronitromethane.</p>	
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07-01-2020  
Date

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Sd.  
Director