Laboratory		VERTOX Laboratory, Defence R & D Establishment (DRDE), Jhansi Road, Gwalior, Madhya Pradesh				
Accreditation Standard		d ISO/IEC 17025: 2005				
Discipline		Chemical Testing	I	Issue Date	23.05.2015	
Certificate Number		T-0239	,	Valid Until	22.05.2017	
Last Amended on		-	I	Page	1 of 3	
S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed		of Testing / of Detection	
I.	WARFARE CHEMICALS					
1.	Soil	Qualitative analysis of chemicals listed as Schedule 1, 2, 3 (Appendix 1)	ROP/2011 (ISBN 978-952-10-7407-3 University of Helsinki, Finlar	(Presence	Qualitative (Presence/Absence)	
2.	Water	Qualitative analysis of chemicals listed as Schedule 1, 2, 3 (Appendix 1)	ROP/2011 (ISBN 978-952-10-7407-3 University of Helsinki, Finlar	(Presence	Qualitative (Presence/Absence)	
3.	Organic Liquid	Qualitative analysis of chemicals listed as Schedule 1, 2, 3 (Appendix 1)	ROP/2011 (ISBN 978-952-10-7407-3 University of Helsinki, Finlar	(Presence	Qualitative (Presence/Absence)	
4.	Polymer	Qualitative analysis of chemicals listed as Schedule 1, 2, 3 (Appendix 1)	ROP/2011 (ISBN 978-952-10-7407-3 University of Helsinki, Finlar	(Presence	Qualitative (Presence/Absence)	
5.	Wipe	Qualitative analysis of chemicals listed as Schedule 1, 2, 3 (Appendix 1)	ROP/2011 (ISBN 978-952-10-7407-3 University of Helsinki, Finlar	(Presence	Qualitative (Presence/Absence)	

<u>Appendix 1</u>

List of Chemicals : <u>Schedule 1</u>

- 1. O-Alkyl (<C10 including cycloalkyl) alkyl (Me,Et,n-Pr or i-Pr) Phosphonofluoridates
- 2. O-Alkyl (≤C10 including cycloalkyl) N,N-dialkyl (Me,Et,n-Pr or i-Pr) Phosphoramidocyanidate
- 3. O-Alkyl (≤C10 including cycloalkyl) S-2-dialkyl(Me,Et,n-Pr or i-Pr) aminoethylalkyl (Me, Et, n-Pr or i-Pr) Phosphonothiolates
- 4. Sulphur mustards : 2-Chloroethyl chloromethyl sulphide Bis(2-chloroethyl)sulphide Bis(2-chloroethylthio)methane 1,2-Bis(2-chloroethylthio)ethane

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		Chemical Testing	I	Issue Date	23.05.2015 22.05.2017		
		T-0239	,	Valid Until			
Last	Amended on	-		Page	2 of 3		
S. No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed		of Testing / of Detection		
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	stards ethyl)ethylamine ethyl)amine ethyl)amine , n-Pr or i-Pr) phosphonyl difluoide r <210 including cycloalkyl) O-2- ites chedule 2 S-[2-(diethylamino)ethyl] phosphot tafluoro-2-(trifluoromethyl)-1-prop nyl benzilate (BZ) horus chemicals having P-C(Me, E Me, Et, n-Pr or i-Pr)phosphoramid Et, n-Pr or i-Pr)N,N-dialkyl(Me, Et loride -2-hydroxyacetic acid -3-ol Me, Et, n-Pr or i-Pr)aminoethyl-2- Me, Et, n-Pr or i-Pr)aminoethane-2 Me, Et, n-Pr or i-Pr)aminoethane-2	dialkyl(Me, Et, n-Pr or i-Pr)ami prothiolate (Amiton) pene (PFIB) Et, n-Pr or i-Pr) group ic dihalides t, n-Pr or i-Pr)phosphoramidates chlorides 2-ols		Me, Et, n-Pr or i-		

S. No.	Product /	Specific Test Performed	Test Method Specification	-	of Testing /	
Last Amended on		-	P	age	3 of 3	
Certificate Number		T-0239	V	alid Until	22.05.2017	
Discipline		Chemical Testing	Is	sue Date	23.05.2015	
Accre	editation Standard	d ISO/IEC 17025: 2005				
Labo	ratory	VERTOX Laboratory, Defence R & D Establishment (DRDE), Jhansi Road, Gwalior, Madhya Pradesh				

S. No.	Product /	Specific Test Performed	Test Method Specification	Range of Testing /
	Material of Test		against which tests are	Limits of Detection
			performed	

List of Chemicals : Schedule 3

- 1. Phosgene
- 2. Cyanogen chloride
- 3. Hydrogen cyanide
- 4. Trichloronitromethane (Chloropicrin)
- 5. Phosphorus oxychloride
- 6. Phosphorus trichloride
- 7. Phosphorus pentachloride
- 8. Trimethyl phosphite
- 9. Triethyl phosphite
- 10. Dimethyl phosphite
- 11. Diethyl phosphite
- 12. Sulphur monochloride
- 13. Sulphur dichloride
- 14. Thionyl chloride
- 15. Ethyldiethanolamine
- Methyldiethanolamine
 Triethanolamine

Degradation products of these schedule chemicals which can be linked to their precursors by holding the basic skeleton.

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