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### DECISION

#### LISTS OF NEWLY VALIDATED DATA ON SCHEDULED CHEMICALS FOR INCLUSION IN THE OPCW CENTRAL ANALYTICAL DATABASE

**The Executive Council,**

**Recalling** that the Executive Council (the Council) at its Fourth Session adopted the decision on the “Proposed Mechanism for Updating the OPCW Central Analytical Database” (EC-IV/DEC.2, dated 5 September 1997), which was subsequently adopted by the Conference of the States Parties at its Second Session (subparagraph 11.2(c) of C-II/8, dated 5 December 1997);

**Also recalling** that the Director-General established a Validation Group to evaluate new data proposed for inclusion in the OPCW Central Analytical Database (OCAD) and that the Group, at its fifty-fifth meeting on 4 and 5 April 2023 (in a hybrid format) and at its fifty-sixth meeting on 13 and 14 September 2023 (in a hybrid format), forwarded the combined lists of validated analytical data to the Director-General for recommendation for inclusion in the OCAD (S/2170/2023, dated 10 May 2023 and S/2214/2023, dated 9 October 2023);

**Recalling further** that the Director-General has forwarded to the Council for consideration at its 105th Session the Note entitled “Lists of Newly Validated Data on Scheduled Chemicals for Approval by the Executive Council for Inclusion in the OPCW Central Analytical Database” (EC-105/DG.4, dated 15 January 2024);

**Bearing in mind** that the Verification Division made available to States Parties, upon request, copies of the newly validated infrared spectroscopy (IR), mass spectrometry (MS), nuclear magnetic resonance (NMR), gas chromatography (retention index) (GC(RI)), tandem mass spectrometry (MS/MS), and gas chromatography-high resolution mass spectrometry (GC-HRMS) data listed in the Annex to EC-105/DG.4 and that, in accordance with the mechanism for updating the OCAD referred to in the first paragraph above, any State Party with concerns about the proposed inclusion in the OCAD of any data contained in the Annex to EC-105/DG.4 had the opportunity to make their concerns known to the Technical Secretariat (the Secretariat) before the 105th Session of the Council; and

**Also bearing in mind** that no concerns in relation to the proposed inclusion in the OCAD of any of the data listed in the Annex to EC-105/DG.4 and reproduced in the Annex hereto were communicated to the Secretariat before the 105th Session of the Council;

**Hereby:**

**Approves** the inclusion in the OCAD of the lists of newly validated data annexed hereto.

Annex (English only): Lists of Newly Validated Data on Scheduled Chemicals

## Annex

## LISTS OF NEWLY VALIDATED DATA ON SCHEDULED CHEMICALS

TABLE 1: LIST OF APPROVED IR DATA ON SCHEDULED CHEMICALS

OPCW Code	Chemical Name	Schedule
04-1-0444v	2,2-Dimethylpropyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02
04-1-0445v	1-Ethylpropyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02
04-1-0447v	Pinacolyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02
04-1-0448v	2-Ethylhexyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02
04-1-0449v	1,4-Dimethylpentyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02
04-1-0450v	1-Isopropyl-2-methylpropyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02
04-1-0451v	2-Methylcyclopentyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02
04-1-0453v	4-tert-Butylcyclohexyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02
04-1-0354v	2-Methylcyclopentyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-1-0359v	1,1,2-Trimethylpropyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03
04-1-0362v	1,1,2-Trimethylpropyl S-2-diethylaminoethyl propylphosphonothiolate	1.A.03

TABLE 2: LIST OF APPROVED MS DATA ON SCHEDULED CHEMICALS

OPCW Code	Chemical Name	Schedule
04-2-0636	2-Ethylhexyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02
04-2-0637a	1,4-Dimethylpentyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02
04-2-0637b	1,4-Dimethylpentyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02
04-2-0639a	2-Methylcyclopentyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02
04-2-0639b	2-Methylcyclopentyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02
28-2-0249	Diphenyl methylphosphonoselenoate	2.B.04
28-2-0332	Methyl-d3 N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14
28-2-0327r*	Methyl N-(1-(dipropylamino)ethylidene)phosphoramidofluoridate	1.A.14
28-2-0334	Methyl-d3 N-(1-(dipropylamino)ethylidene)phosphoramidofluoridate	1.A.14
28-2-0335	Ethyl-d5 N-(1-(dimethylamino)ethylidene)phosphoramidofluoridate	1.A.14
28-2-0337	Ethyl-d5 N-(1-(dipropylamino)ethylidene)phosphoramidofluoridate	1.A.14
28-2-0338	Propyl N-(1-(dimethylamino)ethylidene)phosphoramidofluoridate	1.A.14
28-2-0339	Propyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14
28-2-0340	Propyl N-(1-(dipropylamino)ethylidene)phosphoramidofluoridate	1.A.14
28-2-0341	Isopropyl N-(1-(dimethylamino)ethylidene)phosphoramidofluoridate	1.A.14
28-2-0342	Isopropyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14
28-2-0343	Isopropyl N-(1-(dipropylamino)ethylidene)phosphoramidofluoridate	1.A.14
28-2-0344	N-(1-(Diethylamino)ethylidene)-P-methylphosphonamidic fluoride	1.A.13
07-2-3551	Ethyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03
07-2-3552	Ethyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03

\* At the Validation Group's request, the OPCW Code has been changed from 28-2-0333 to 28-2-0327r because this is a resubmission.

**TABLE 3: LIST OF APPROVED NMR DATA ON SCHEDULED CHEMICALS**

<b>OPCW Code</b>	<b>Chemical Name</b>	<b>Schedule</b>
33-3-0003	Ethyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14
33-3-0004	Ethyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14
33-3-0005	Ethyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14
33-3-0008	Methyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14
33-3-0009	Methyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14
33-3-0010	Methyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14
33-3-0013	Ethyl N-(1-(dimethylamino)propylidene)phosphoramidofluoridate	1.A.14
33-3-0014	Ethyl N-(1-(dimethylamino)propylidene)phosphoramidofluoridate	1.A.14
33-3-0015	Ethyl N-(1-(dimethylamino)propylidene)phosphoramidofluoridate	1.A.14
33-3-0018	Methyl N-(1-(dimethylamino)propylidene)phosphoramidofluoridate	1.A.14
33-3-0019	Methyl N-(1-(dimethylamino)propylidene)phosphoramidofluoridate	1.A.14
33-3-0020	Methyl N-(1-(dimethylamino)propylidene)phosphoramidofluoridate	1.A.14
05-3-0195	O-Isobutyl methylphosphonothionate, sodium salt	2.B.04
05-3-0196	O-Isobutyl methylphosphonothionate, sodium salt	2.B.04
05-3-0197	O-Isobutyl methylphosphonothionate, sodium salt	2.B.04
05-3-0198	Methylphosphonic fluoride	2.B.04
05-3-0199	Methylphosphonic fluoride	2.B.04
05-3-0200	Methylphosphonic fluoride	2.B.04
05-3-0201	Methylphosphonic fluoride	2.B.04
05-3-0202	Methylphosphonic fluoride	2.B.04
33-3-0011r	Ethyl N-(1-(dimethylamino)propylidene)phosphoramidofluoridate	1.A.14

**TABLE 4: LIST OF APPROVED GC(RI) DATA ON SCHEDULED CHEMICALS**

Note: A “1” under the “Column” heading for GC(RI) data means an HP5 or an SE54 column, and a “2” means a DB-5MS column.

OPCW Code	Chemical Name	Schedule	Column	RI(a)	RI(b)
04-4-0441	2,2-Dimethylpropyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02	1	1432	
04-4-0442	1-Ethylpropyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02	1	1475	
04-4-0445	2-Ethylhexyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02	1	1753	
04-4-0448	2-Methylcyclopentyl N-isopropyl-N-methylphosphoramidocyanidate	1.A.02	1	1620	1635
28-4-0333r	Ethyl N-(1-(dipropylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1797	
28-4-0334	Methyl-d3 N-(1-(dimethylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1507	
28-4-0335	Methyl-d3 N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1599	
28-4-0336	Methyl N-(1-(dipropylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1746	
28-4-0337	Methyl-d3 N-(1-(dipropylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1740	
28-4-0338	Ethyl-d5 N-(1-(dimethylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1577	
28-4-0339	Ethyl-d5 N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1652	
28-4-0340	Ethyl-d5 N-(1-(dipropylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1792	
28-4-0341	Propyl N-(1-(dimethylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1666	
28-4-0342	Propyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1755	
28-4-0343	Propyl N-(1-(dipropylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1888	
28-4-0344	Isopropyl N-(1-(dimethylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1593	
28-4-0345	Isopropyl N-(1-(diethylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1679	
28-4-0346	Isopropyl N-(1-(dipropylamino)ethylidene)phosphoramidofluoridate	1.A.14	1	1813	
28-4-0347	N-(1-(Diethylamino)ethylidene)-P-methylphosphonamidic fluoride	1.A.13	1	1523	

**TABLE 5: LIST OF APPROVED MS/MS DATA ON SCHEDULED CHEMICALS**

<b>OPCW Code</b>	<b>Chemical Name</b>	<b>Schedule</b>
35-5-0004	Diethyl phosphite	3.B.11
35-5-0005	Diethyl phosphite	3.B.11
35-5-0006	Diethyl phosphite	3.B.11
35-5-0007	Dimethyl ethylphosphonate	2.B.04
35-5-0008	Dimethyl ethylphosphonate	2.B.04
35-5-0009	Dimethyl ethylphosphonate	2.B.04
35-5-0010	O,O-Dimethyl ethylphosphonothionate	2.B.04
35-5-0011	O,O-Dimethyl ethylphosphonothionate	2.B.04
35-5-0012	O,O-Dimethyl ethylphosphonothionate	2.B.04

**TABLE 6: LIST OF APPROVED GC-HRMS DATA ON SCHEDULED CHEMICALS**

<b>OPCW Code</b>	<b>Chemical Name</b>	<b>Schedule</b>
02-7-0001	Diethyl methylphosphonate	2.B.04
02-7-0002	Diisopropyl methylphosphonate	2.B.04
14-7-0006	Diisopropyl methylphosphonate	2.B.04

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