



105th Session
5 – 8 March 2024

EC-105/DG.4
15 January 2024
Original: ENGLISH

NOTE BY THE DIRECTOR-GENERAL**LISTS OF NEWLY VALIDATED DATA ON SCHEDULED CHEMICALS FOR APPROVAL BY THE EXECUTIVE COUNCIL FOR INCLUSION IN THE OPCW CENTRAL ANALYTICAL DATABASE**

1. In accordance with the decision by the Executive Council (the Council) at its Fourth Session entitled “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), the Director-General established a Validation Group to evaluate new data to be proposed for inclusion in the OPCW Central Analytical Database (OCAD). The Group held its fifty-fifth meeting on 4 and 5 April 2023 (in a hybrid format) and its fifty-sixth meeting on 13 and 14 September 2023 (in a hybrid format),¹ and submitted lists of validated analytical data to the Director-General for recommendation for inclusion in the OCAD.
2. In accordance with the aforementioned mechanism for updating the OCAD, lists of newly validated data proposed for inclusion in the OCAD are to be submitted to the members of the Council and distributed to all States Parties no later than 30 days before the opening of the 105th Session of the Council, during which the Council will be requested to consider the data and approve its inclusion in the OCAD. The Technical Secretariat (the Secretariat) hereby submits to the members of the Council and distributes to all States Parties the lists of newly validated analytical data proposed for inclusion in the OCAD (see the Annex to this Note).
3. The Verification Division will, upon request, make available to States Parties 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. In accordance with the mechanism referred to in paragraph 1 above, any State Party that has concerns about the proposed inclusion of any of this data in the OCAD should make them known to the Secretariat before the 105th Session of the Council.

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

¹ The reports of these meetings were issued under the symbols S/2170/2023 (dated 10 May 2023) and S/2214/2023 (dated 9 October 2023), respectively.



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

OPCW Code	Chemical Name	Schedule
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

OPCW Code	Chemical Name	Schedule
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

OPCW Code	Chemical Name	Schedule
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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