



109th Session
8 – 11 July 2025

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NOTE BY THE DIRECTOR-GENERAL**LISTS OF NEWLY VALIDATED DATA ON NON-SCHEDULED CHEMICALS
RELEVANT TO THE CHEMICAL WEAPONS CONVENTION 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 (the Conference) 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-eighth meeting on 18 and 19 September 2024 (in hybrid format) and its fifty-ninth meeting on 9 and 10 April 2025 (in hybrid format),¹ and submitted the lists of newly validated data on non-scheduled chemicals relevant to the Chemical Weapons Convention (the Convention), along with their justification statements, to the Director-General for appropriate action.
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 109th 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 on non-scheduled chemicals relevant to the Convention, which are proposed for inclusion in the OCAD (see the Annex to this Note).
3. The use of data on non-scheduled chemicals relevant to the Convention during inspections is subject to the inspected State Party’s agreement, in accordance with the decision of the Council at its Eighty-Sixth Session (EC-86/DEC.10, dated 13 October 2017) and of the Conference at its First Session (C-I/DEC.64, dated 22 May 1997 and Corr.1, dated 13 October 1997).

¹ The reports of these meetings were issued under the symbols S/2330/2024 (dated 29 October 2024) and S/2399/2025 (dated 2 May 2025), respectively.



4. The Verification Division will, upon request, make available to States Parties copies of the newly validated infrared spectroscopy (IR), mass spectrometry (MS), and gas chromatography (retention index) (GC(RI)) data listed in the Annex hereto. 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 109th Session of the Council.

Annex (English only): Lists of Newly Validated Data on Non-Scheduled Chemicals Relevant to the Chemical Weapons Convention

Annex

LISTS OF NEWLY VALIDATED DATA ON NON-SCHEDULED CHEMICALS
RELEVANT TO THE CHEMICAL WEAPONS CONVENTIONTABLE 1: LIST OF APPROVED IR DATA ON NON-SCHEDULED CHEMICALS RELEVANT TO THE CONVENTION²

OPCW Code	Chemical Name	Schedule	Justification
09-1-0014	N,N-Dimethyl-N-(2-trimethylsilyloxyethyl)amine ³	NS	TMS derivative of N,N-dimethylaminoethanol. Exempted in 2.B.11, but a degradation product of 1.A.03 chemicals
19-1-0014	Tris(2-chloroethyl)amine hydrochloride ⁴	PS ⁵	Protonated salt of 1.A.06
19-1-0023x	2-Chloroacetophenone ⁶	NS	Riot control agent as established in SAB-25/WP.1 (dated 27 March 2017)
19-1-0030x	Pelargonic acid vanillylamide ⁷	NS	Riot control agent as established in SAB-25/WP.1

² Data previously evaluated during the nineteenth, thirty-fourth, and thirty-sixth meetings of the Validation Group and re-evaluated during the fifty-ninth meeting of the Validation Group.

³ Chemical accepted into OCAD_v20_2018 as MS data (07-2-3033) and GC(RI) data (07-4-2796) (decision EC-86/DEC.10).

⁴ Chemical accepted into OCAD_v6v8 as IR data (08-1-0199) and NMR data (06-3-0215, 06-3-0217, 07-3-0179, 07-3-0180) (decision C-1/DEC.64 and Corr.1).

⁵ Non-scheduled protonated salt of the scheduled chemical.

⁶ Chemical accepted into OCAD_v20_2018 as MS data (16-2-0018) and GC(RI) data (16-4-0047 and 19-4-0007) (EC-86/DEC.10).

⁷ Chemical accepted into OCAD_v20_2018 as MS data (25-2-0018) and GC(RI) data (24-4-0057r) (EC-86/DEC.10).

TABLE 2: LIST OF APPROVED MS DATA ON NON-SCHEDULED CHEMICALS RELEVANT TO THE CONVENTION

OPCW Code	Chemical Name	Schedule	Justification	Classification
02-2-0087	2-Hydroxyethyl vinyl sulfone	NS	Reaction by-product or degradation product of 1.A.04	NDP-H ⁸
02-2-0088	2-(2-Chloroethanesulfonyl)ethan-1-ol	NS		
04-2-0653	Methyl N-(1-(diethylamino)ethylidene)phosphoramidochloridate	NS	Reaction by-product, precursor, or degradation product of 1.A.14	NDP-N ⁹
04-2-0655	Ethyl N-(1-(diethylamino)ethylidene)phosphoramidochloridate	NS		
04-2-0657	N-(1-(Diethylamino)ethylidene)phosphoramidic difluoride	NS		
04-2-0658	N-(1-(Diethylamino)ethylidene)phosphoramidic dichloride	NS		
05-2-0202	N,N-Diethyl-N'-(trimethylsilyl)acetimidamide	NS	Precursor of 1.A.13 and 1.A.14	NDP-N
05-2-0203	N,N-Dipropyl-N'-(trimethylsilyl)acetimidamide	NS		
05-2-0204	N-Methyl-N-propyl-N'-(trimethylsilyl)acetimidamide	NS		
05-2-0205	N,N,N',N'-Tetraethyl-N''-(trimethylsilyl)guanidine	NS	Precursor of 1.A.15	NDP-N
08-2-0092	Dimethyl trimethylsilyl phosphate ¹⁰	NS	Derivatised reaction by-product of 1.A.01	NDP-G ¹¹

⁸ Non-scheduled precursors, degradation products, known synthesis impurities, or by-products related to Schedule 1.A.04.

⁹ Non-scheduled precursors, degradation products, known synthesis impurities, or by-products related to Schedules 1.A.13, 1.A.14, 1.A.15, and 1.A.16.

¹⁰ Data evaluated during the thirty-ninth meeting of the Validation Group and corresponding GC(RI) data (08-4-0067) already accepted into OCAD_v23_2021 (decision EC-96/DEC.2, dated 9 March 2021).

¹¹ Non-scheduled precursors, degradation products, known synthesis impurities, or by-products related to Schedules 1.A.01, and 1.A.02.

TABLE 3: LIST OF APPROVED GC(RI) DATA ON NON-SCHEDULED CHEMICALS RELEVANT TO THE CONVENTION

OPCW Code	Chemical Name	Schedule	Column	RI(a)	Justification	Classification
02-4-0001	2-Hydroxyethyl vinyl sulfone	NS	1	1228	Reaction by-product or degradation product of 1.A.04	NDP-H
02-4-0002	2-(2-Chloroethanesulfonyl)ethan-1-ol	NS	1	1472		
04-4-0462	Methyl N-(1-(diethylamino)ethylidene)phosphoramidochloridate	NS	1	1793		
04-4-0464	Ethyl N-(1-(diethylamino)ethylidene)phosphoramidochloridate	NS	1	1842		
04-4-0466	N-(1-(Diethylamino)ethylidene)phosphoramidic difluoride	NS	1	1421	Reaction by-product, precursor, or degradation product of 1.A.14	NDP-N
04-4-0467	N-(1-(Diethylamino)ethylidene)phosphoramidic dichloride	NS	1	1825		
05-4-0208	N,N-Diethyl-N'-(trimethylsilyl)acetimidamide	NS	2	1127		
05-4-0209	N,N-Dipropyl-N'-(trimethylsilyl)acetimidamide	NS	2	1265	Precursor of 1.A.13 and 1.A.14	NDP-N
05-4-0210	N-Methyl-N-propyl-N'-(trimethylsilyl)acetimidamide	NS	2	1156		
05-4-0211	N,N,N',N'-Tetraethyl-N''-(trimethylsilyl)guanidine	NS	2	1312	Precursor of 1.A.15	NDP-N

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