OPCW Technical Secretariat

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NOTE BY THE DIRECTOR-GENERAL

EVALUATION OF THE RESULTS OF THE FIFTY-EIGHTH OFFICIAL OPCW ENVIRONMENTAL PROFICIENCY TEST

1. The Director-General wishes to inform the States Parties of the results of the Fifty-Eighth Official OPCW Proficiency Test, which was conducted by the Technical Secretariat (the Secretariat) from October 2025 to March 2026. The OPCW Laboratory is accredited by the Raad voor Accreditatie, the Netherlands, to conduct proficiency testing in compliance with the criteria laid down in International Organization for Standardization/International Electrotechnical Commission Standard ISO/IEC 17043. The test was conducted according to the following quality management system documents:

   (a) "Standard Operating Procedure for the Organisation of OPCW Proficiency Tests" (QDOC/LAB/SOP/PT01 (Issue 4, Revision 2, dated 9 April 2025));

   (b) "Work Instruction for the Preparation of Samples for OPCW Proficiency Tests" (QDOC/LAB/WI/PT02 (Issue 4, Revision 1, dated 9 April 2025));

   (c) "Work Instruction for the Evaluation of the Results of OPCW Proficiency Tests" (QDOC/LAB/WI/PT03 (Issue 4, Revision 4, dated 10 April 2025)); and

   (d) "Work Instruction for the Reporting of the Results of the OPCW Proficiency Tests" (QDOC/LAB/WI/PT04 (Issue 4, Revision 0, dated 10 April 2025)).

2. In order to retain their designation, designated laboratories must demonstrate once per calendar year that they have maintained their capabilities in a proficiency test organised by the Secretariat, unless the additional guidelines in decision C-20/DEC.4 (dated 2 December 2015) are applicable.

3. The Sample Preparation Assistance Laboratory was the Chemical Analysis Laboratory, Fifth Directorate, Third Research and Development Institute, Agency for Defense Development, the Republic of Korea, while the Evaluation Assistance Laboratory was the Laboratorio de Verificación de Armas Químicas (LAVEMA) of the Instituto Nacional de Técnica Aeroespacial, Spain.

4. By the closing date, 25 States Parties had nominated 32 laboratories, including the two assisting laboratories, for participation in the Fifty-Eighth Official OPCW Proficiency Test. Accordingly, in the test there were 25 regular participants, 5 trial participants, and the two assisting laboratories.

5. The preliminary evaluation report was discussed on 10 February 2026 at a hybrid meeting (held online and at the OPCW Centre for Chemistry and Technology in Pijnacker-Nootdorp, the Netherlands) between Secretariat staff and the test participants. The participants were given two weeks to comment on the results and to inform the Secretariat whether they accepted their performance evaluation.

6. The Evaluation Assistance Laboratory submitted its final technical review report to the Secretariat on 13 February 2026.

7. The principal results of the Fifty-Eighth Official OPCW Proficiency Test are as follows:

   (a) Twenty-five regular test participants and 5 trial participants submitted their analytical reports within the test period.

   (b) Twelve regular participants identified and reported all of the spiking chemicals with sufficient analytical data for all of the spiking chemicals and received a performance rating of A.

   (c) Eight regular participants identified and reported six out of the seven spiking chemicals with sufficient data and received a performance rating of B.

   (d) Three regular participants identified and reported more chemicals than they had missed and received a performance rating of C.

   (e) Two regular participants identified and reported less than half of the seven spiking chemicals and received a performance rating of D.

   (f) No scores were assigned to the five trial participants.

   (g) Five non-scoring chemicals were reported.

   (h) The Sample Preparation Assistance Laboratory submitted its report and was awarded the maximum performance rating of A.

   (i) The Evaluation Assistance Laboratory submitted its technical review report and was awarded the maximum performance rating of A.

   (j) There were fourteen A’s, eight B’s, three C’s, and two D’s for the 25 regular participants and the two assisting laboratories.

8. The final results for all of the laboratories participating in the test are presented in the table in the Annex hereto.

9. The participating laboratories are reminded that if they have made any errors or reported false positives or false negatives (arising from a failure to find a spiking chemical or to provide sufficient supporting data for a chemical that is found), they should take immediate remedial action. Before participating in the next test, each such laboratory is required to submit a detailed follow-up report to the Secretariat stating the cause of the problem and any remedial action it has taken. Any such laboratory failing to submit the required report, including details of the remedial action it has taken, will not be permitted to participate in the next proficiency test.

Annex: Results of the Fifty-Eighth Official OPCW Proficiency Test

Annex

RESULTS OF THE FIFTY-EIGHTH OFFICIAL OPCW PROFICIENCY TEST

Participant Code Laboratory	No. of Spiking Chemicals Reported[1]	No. of Chemicals Scored	Rating	Comments
48 **Brazil** Chemical Analysis Laboratory of the Brazilian Navy Nuclear, Biological, Chemical and Radiological Defense Centre	**7**	**6**	**B**	Data for chemical A were not sufficient for scoring.
49 **China (AMMSLTA)** Laboratory of Toxicant Analysis, Academy of Military Medical Sciences	**7**	**7**	**A**	–
20 **China (RICD)** Laboratory of Analytical Chemistry, Research Institute of Chemical Defence	**7**	**7**	**A**	–
14 **Hungary** Hungarian Defence Force Chemical Laboratory, 102nd CBRN Regiment	**7**	**0**	**D**	Data for chemicals A, B, C, D, E, F, and G were not sufficient for scoring.
12 **India (CSIR-IICT)** Centre for Analysis of Chemical Toxins	**7**	**6**	**B**	Data for chemical A were not sufficient for scoring.
35 **India (IPFT)** Institute of Pesticide Formulation Technology	**7**	**6**	**B**	Data for chemical E were not sufficient for scoring.

[1] The spiking chemicals were as follows:
A N-(2-Hydroxyethyl)thiomorpholine
B Thiodiglycol
C Diisopropyl methylphosphonate
D 1,2-Bis(Hydroxyethylthio)ethane
E Triethanolamine
F 4,4-Dioxo-1,4-oxathiane
G Pinacolyl methylphosphonate

Participant Code Laboratory	No. of Spiking Chemicals Reported[1]	No. of Chemicals Scored	Rating	Comments
50 **India (DRDE)** VERTOX Laboratory, Defence Research and Development Establishment	**7**	**7**	**A**	–
31 **Iran (Islamic Republic of)** Defense Chemical Research Laboratory (DCRL)	**7**	**7**	**A**	–
26 **Italy** Central Laboratory, Antifraud Directorate, Italian Customs and Monopolies Agency	**6**	**5**	**C**	Chemical B was not reported. Data for chemical A were not sufficient for scoring.
47 **Japan** Chemical School, Japan Ground Self-Defense Force	**6**	**6**	**B**	Chemical D was not reported.
03 **Kenya** Government Chemists' Department	**4**	**3**	**#**	Trial participant
41 **Malaysia (DCM)** Department of Chemistry	**7**	**4**	**C**	Data for chemicals A, E, and G were not sufficient for scoring.
11 **Malaysia (STRIDE)** Science and Technology Research Institute for Defence	**4**	**1**	**D**	Chemicals B, E, and F were not reported. Data for chemicals C, D, and G were not sufficient for scoring.
05 **Morocco (ICGR)** Institut de Criminalistique de la Gendarmerie Royale	**7**	**5**	**C**	Data for chemicals A and F were not sufficient for scoring.
38 **Morocco (NLSTP)** National Laboratory of the Scientific and Technical Police	**7**	**7**	**#**	Trial participant

Participant Code Laboratory	No. of Spiking Chemicals Reported[1]	No. of Chemicals Scored	Rating	Comments
15 **Nigeria** National Agency for Food and Drug Administration and Control, NAFDAC	**7**	**6**	**B**	Data for chemical A were not sufficient for scoring.
36 **Pakistan** Analytical Laboratory, Defense Science and Technology Organization (DESTO)	**7**	**7**	**A**	–
02 **Poland** Chemical Laboratory of CBRN Area Control Centre	**7**	**7**	**#**	Trial participant
09 **Poland** Faculty of Advanced Technologies and Chemistry, Military University of Technology	**7**	**7**	**#**	Trial participant
Republic of Korea Chemical Analysis Laboratory, Fifth Directorate, Third Research and Development Institute, Agency for Defense Development	**–**	**–**	**A**	Sample Preparation Assistance Laboratory
39 **Romania** Research and Innovation Center for CBRN Defense and Ecology, Chemical Analysis Laboratory	**7**	**6**	**B**	Data for chemical A were not sufficient for scoring.
25 **Russian Federation** Central Chemical Weapons Destruction Analytical Laboratory of the Federal State Unitary Enterprise, “State Scientific Research Institute of Organic Chemistry and Technology”	**7**	**7**	**A**	–

Participant Code Laboratory	No. of Spiking Chemicals Reported[1]	No. of Chemicals Scored	Rating	Comments
34 **Russian Federation** Laboratory for the Chemical and Analytical Control of the Military Research Centre, Federal State Budget Establishment "27 Scientific Centre" of the Ministry of Defense of the Russian Federation	**7**	**7**	**A**	–
27 **Singapore** Verification Laboratory, Human Systems Division, DSO National Laboratories	**7**	**7**	**A**	–
01 **Slovakia** Section of Chemical Laboratories, Military Unit	**7**	**7**	**A**	–
16 **South Africa** Protechnik Laboratories	**7**	**6**	**B**	Data for chemical A were not sufficient for scoring.
Spain Laboratorio de Verificación de Armas Químicas (LAVEMA)	**–**	**–**	**A**	Evaluation Assistance Laboratory
19 **Sweden** FOI, Swedish Defence Research Agency	**7**	**7**	**A**	–
37 **Türkiye** National Biological and Chemical Test Center, TÜBİTAK Marmara Research Center, CBRN Defense Technologies Research Group	**7**	**6**	**B**	Data for chemical D were not sufficient for scoring.

Participant Code Laboratory	No. of Spiking Chemicals Reported[1]	No. of Chemicals Scored	Rating	Comments
40 **United Kingdom of Great Britain and Northern Ireland** Defence Science and Technology Laboratory, Porton Down (DSTL)	**7**	**7**	**A**	–
18 **United Republic of Tanzania** Government Chemist Laboratory Authority (GCLA)	**6**	**0**	**#**	Trial participant
29 **United States of America** Lawrence Livermore National Laboratory (LLNL)	**7**	**7**	**A**	–

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