



OPCW

Technical Secretariat

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NOTE BY THE DIRECTOR-GENERAL

**EVALUATION OF THE RESULTS OF
THE TWENTY-SIXTH OFFICIAL OPCW PROFICIENCY TEST**

1. The Director-General wishes to inform the Member States of the results of the Twenty-Sixth Official OPCW Proficiency Test, which was conducted by the Technical Secretariat (hereinafter “the Secretariat”) from 9 October 2009 to 5 November 2009. The test was conducted in accordance with the following set of quality documents:
 - (a) “Standard Operating Procedure for the Organisation of OPCW Proficiency Tests” (QDOC/LAB/SOP/PT01, dated 18 September 2009);
 - (b) “Work Instruction for the Preparation of Test Samples for OPCW Proficiency Tests” (QDOC/LAB/WI/PT02, dated 18 September 2009); and
 - (c) “Work Instruction for the Evaluation of Results of OPCW Proficiency Tests” (QDOC/LAB/WI/PT03, dated 18 September 2009).
2. Designated laboratories must, in order to retain their designation, demonstrate once per calendar year that they have maintained their capabilities in a proficiency test organised by the Secretariat.
3. Two laboratories offered to assist the Secretariat in conducting the Twenty-Sixth Official OPCW Proficiency Test: TNO Defence, Security and Safety, the Netherlands assisted in preparing the test samples and Vertox Laboratory, India in evaluating the test results.
4. The preliminary evaluation report was discussed at a meeting between the Secretariat staff and the test participants on 12 February 2010. The participants were given two weeks to comment on the results, and to inform the Secretariat whether they accepted the performance evaluation.
5. The evaluating laboratory submitted its final evaluation report to the Secretariat on 22 March 2010.



6. The principal results of the Twenty-Sixth Official OPCW Proficiency Test can be summarised as follows:
 - (a) Twenty-four laboratories from 19 Member States were nominated to participate in this proficiency test, including two assisting laboratories.
 - (b) All twenty-two participating laboratories met the adopted criteria for submission, timelines, and reporting, and thus qualified for scoring in the test.
 - (c) Three laboratories failed the test due to reporting of false positive chemicals.
 - (d) Two laboratories failed the test due to reporting of irrelevant chemicals.
 - (e) One laboratory failed the test due to reporting of information on chemicals without explanation and a direct link to the CWC Schedules (in accordance with paragraph 15.3 of QDOC/LAB/WI/PT03).
 - (f) Thirteen participating laboratories reported a total of eight non-scoring chemicals.
 - (g) Seventeen participating laboratories identified all of the deliberately introduced (spiked) chemicals used for scoring, reported them, and included sufficient analytical data.
 - (h) The sample preparation laboratory and the evaluating laboratory were awarded the maximum performance rating of "A".
7. The final results for all the 22 participating laboratories are presented in the table annexed hereto.
8. 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 to the Secretariat a full report 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:

Final Results of the Twenty-Sixth Official OPCW Proficiency Test

Annex

**FINAL RESULTS OF THE TWENTY-SIXTH
OFFICIAL OPCW PROFICIENCY TEST**

Participant (Laboratory Code)	No. of Spiking Chemicals Reported	No. of Chemicals Scored	Rating	Comments *
Belgium Defence Laboratories Department (DLD) (1)	5	5	A	-
China Laboratory of Analytical Chemistry Research Institute of Chemical Defence (RICD) (2)	5	5	A	-
China Laboratory of Toxicant Analysis, Institute of Pharmacology & Toxicology, Academy of Military Medical Sciences (AMMS) (10)	5	5	A	-
Finland Finnish Institute for Verification of the Chemical Weapons Convention (VERIFIN) (3)	5	5	A	-
Hungary Hungarian Defence Forces, Dr. Radó Györi Military Medical Center (9)	5	5	F[†]	Failure due to reporting of irrelevant chemical J, in accordance with paragraph 15.2 of QDOC/LAB/WI/PT03
India Institute of Pesticide Formulation Technology (IPFT) (7)	5	5	A	-

* The spiking chemicals were as follows:

Sample 801: (A)- Bis(2-N,N-diethylaminoethyl) disulfide

Sample 811: (B)- Isopropyl methylphosphonate

Sample 831: (C)- Isobutyl S-2-diethylaminoethyl methylphosphonothiolate

Sample 831: (D)- Butyl S-2-diethylaminoethyl methylphosphonothiolate

Sample 841: (E)- Ethyl S-2-diisopropylaminoethyl methylphosphonothiolate

F[†] indicates that the laboratory did not meet all performance criteria for successful performance (paragraph 25.4 of QDOC/LAB/SOP/PT01), and F indicates that the laboratory reported a false positive identification (paragraph 25.6(c) of QDOC/LAB/SOP/PT01).

Participant (Laboratory Code)	No. of Spiking Chemicals Reported	No. of Chemicals Scored	Rating	Comments *
India Centre for Analysis of Chemical Toxins, Analytical Chemistry Division, Indian Institute of Chemical Technology (5)	5	4	B	Insufficient data for reported spiking chemical A
India Vertox Laboratory, Defence Research & Development Establishment (Evaluating laboratory)	-	-	A	-
Iran (Islamic Republic of) Defense Chemical Research Laboratory (6)	5	5	A	-
Netherlands TNO Defence, Security and Safety (Sample preparation laboratory)	-	-	A	-
Poland Laboratory for Chemical Weapons Convention Verification, Military Institute of Chemistry and Radiometry (18)	5	5	A	-
Republic of Korea Chemical Analysis Laboratory (CAL) CB Department Agency for Defence Development (20)	5	5	F	Failure due to reporting of two false positive chemicals O and P, in accordance with paragraph 16 of QDOC/LAB/WI/PT03
Republic of Korea The Chemical Defence Research Institute (CDRI) (21)	5	5	F	Failure due to reporting of two false positive chemicals O and P, in accordance with paragraph 16 of QDOC/LAB/WI/PT03
Romania Chemical Analysis and Testing Laboratory, NBC and Ecological Defence Scientific Research Centre (16)	5	5	A	-

Participant (Laboratory Code)	No. of Spiking Chemicals Reported	No. of Chemicals Scored	Rating	Comments *
Russian Federation Central Chemical Weapons Destruction Analytical Laboratory of the Federal National Unitary Establishment (CAL) (8)	5	5	A	-
Russian Federation Laboratory for Chemical and Analytical Control, Military Research Centre (14)	5	5	A	-
Singapore Verification Laboratory, DSO National Laboratories (11)	5	5	F[†]	Failure due to reporting of information/data for chemicals without explanation and/or direct link to CWC scheduled chemicals, in accordance with paragraph 15.3 of QDOC/LAB/WI/PT03
South Africa Protechnik Laboratories, a division of Armscor Business (Pty) Ltd (13)	4	0	F	Insufficient data for reported spiking chemicals B, C, D, and E; failure due to reporting of false positive chemical L, in accordance with paragraph 16 of QDOC/LAB/WI/PT03
Spain Laboratorio de Verificación de Armas Químicas, Fábrica Nacional “La Marañosa” (12)	5	5	A	-
Sweden Swedish Defence Research Agency (FOI), CBRN Defence and Security Division (15)	5	5	A	-
Turkey The Scientific and Technological Research Council of Turkey, Bursa Test and Analysis Laboratory (19)	4	2	F[†]	Spiking chemical A not reported; insufficient data for reported spiking chemicals B and E; failure due to reporting of irrelevant chemical J, in accordance with paragraph 15.2 of QDOC/LAB/WI/PT03

Participant (Laboratory Code)	No. of Spiking Chemicals Reported	No. of Chemicals Scored	Rating	Comments *
United Kingdom of Great Britain and Northern Ireland Defence Science and Technology Laboratory (Dstl), Chemical and Biological Systems, Porton Down (22)	5	5	A	-
United States of America Lawrence Livermore National Laboratory (17)	5	5	A	-
Viet Nam Chemical Monitoring Laboratory, Military of Defense (4)	2	0	D	Spiking chemicals A, C, and E not reported; insufficient data for reported spiking chemicals B and D