



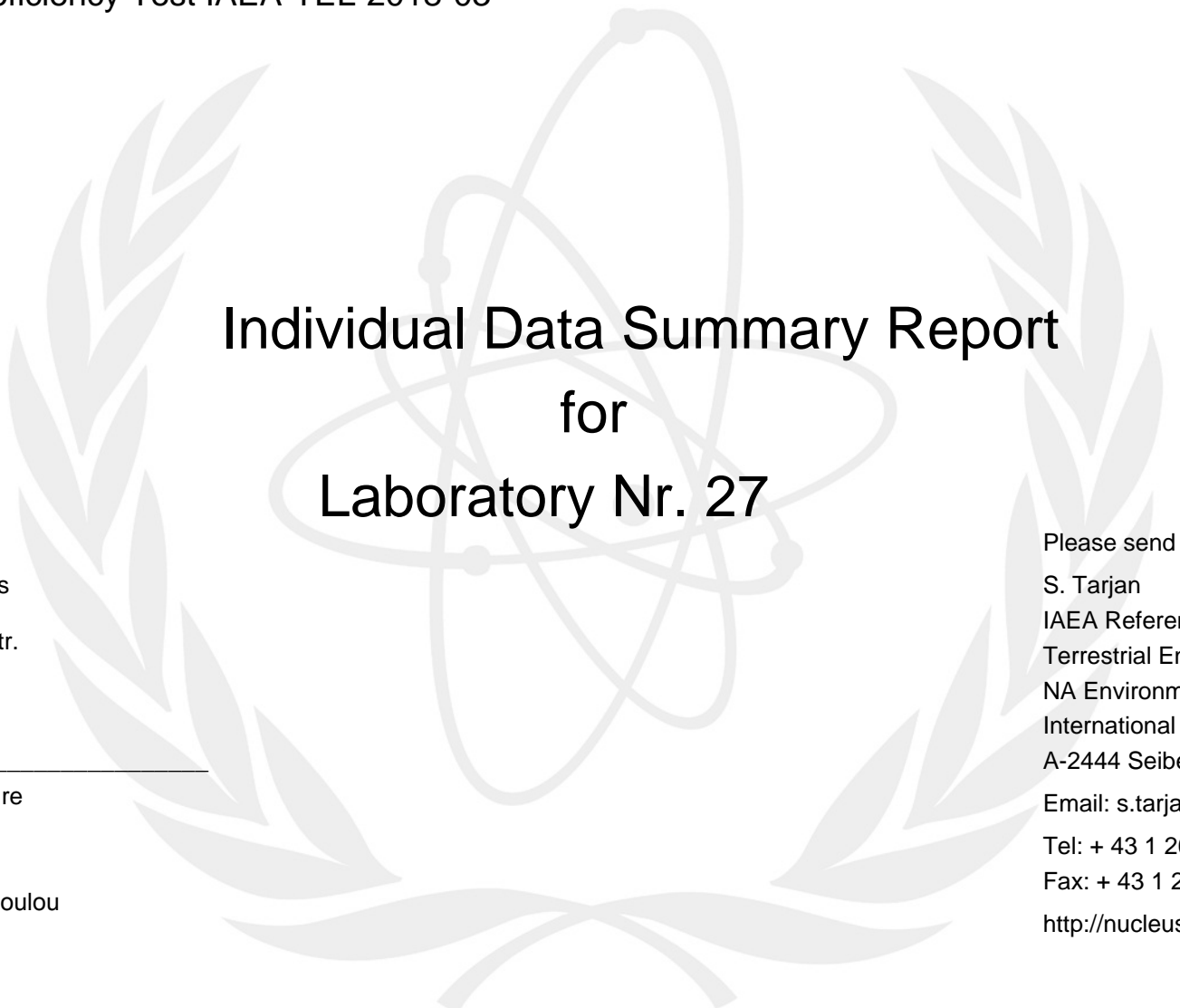
The IAEA-TEL-2018-03 world wide open proficiency test on the determination of anthropogenic and natural radionuclides in water, soil sample and surface contamination measurement

**Laboratory's Final Report
Laboratory Code: 27 (CuNo: 13949)
Total Pages (with cover): 6**



Data Summary Report

for the World Wide Proficiency Test IAEA-TEL-2018-03



Individual Data Summary Report for Laboratory Nr. 27

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Proficiency Test IAEA-TEL-2018-03 World Wide Data Summary Report

Created on 2018-09-20

Sample 01

Sample Code	Analyte	Measured by	Reported Value	Reported Uncertainty
1	Am-241gamma	gamma	28.1	2.5
1	Ba-133	gamma	28.7	2.2
1	Co-60	gamma	94.5	6.3
1	Cs-134	gamma	54.2	3.8
1	Cs-137	gamma	25.5	1.9
1	Pb-210	gamma	89	11

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Proficiency Test IAEA-TEL-2018-03 World Wide Data Summary Report

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Sample 02

Sample Code	Analyte	Measured by	Reported Value	Reported Uncertainty
2	Ag-110m	gamma	9.7	1.2
2	Am-241	gamma		
2	Am-241gamma	gamma		
2	Am-243	gamma		
2	Ba-140	gamma		
2	Be-7	gamma	437	36
2	Ce-139	gamma		
2	Ce-141	gamma		
2	Ce-144	gamma		
2	Co-58	gamma	13.8	2.0
2	Co-60	gamma	13.1	1.8
2	Cs-134	gamma	2930	180
2	Cs-136	gamma	28.6	3.0
2	Cs-137	gamma	1960	150
2	Fe-59	gamma		
2	I-131	gamma	247	21
2	La-140	gamma		
2	Mn-54	gamma	60.2	4.8
2	Mo-99	gamma	442	53
2	Nb-95	gamma		
2	Nd-147	gamma		
2	Np-239	gamma		
2	Pm-151	gamma		
2	Rb-86	gamma	214	32
2	Rh-106	gamma		
2	Ru-103	gamma		
2	Ru-106	gamma		
2	Sb-124	gamma	27.8	2.6
2	Sb-125	gamma		
2	Sb-127	gamma		
2	Sn-125	gamma		
2	Te-132	gamma		

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Sample Code	Analyte	Measured by	Reported Value	Reported Uncertainty
2	Zr-95	gamma		

Proficiency Test IAEA-TEL-2018-03 World Wide Data Summary Report

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Sample 04

Sample Code	Analyte	Measured by	Reported Value	Reported Uncertainty
4	Ac-228	gamma	33.2	4.9
4	Am-241gamma	gamma	52.8	4.1
4	Ba-133	gamma	54.2	3.8
4	Bi-214	gamma	28.1	4.3
4	Co-60	gamma	138.8	9.2
4	Cs-134	gamma	110.6	7.4
4	Cs-137	gamma	62.3	3.7
4	K-40	gamma	332	51
4	Pb-210	gamma	470	38
4	Pb-212	gamma	35.8	3.3
4	Pb-214	gamma	31.4	4.0
4	Ra-226gamma	gamma	29.8	4.6
4	Th-234	gamma	26.7	3.1
4	Tl-208	gamma	12.2	1.5
4	U-238	gamma	26.7	3.1

Sample 05

Sample Code	Analyte	Measured by	Reported Value	Reported Uncertainty
5	Beta_emission_rate	surface_monitor	1.29	0.23

Sample 06

Sample Code	Analyte	Measured by	Reported Value	Reported Uncertainty
6	Alpha_emission_rate	surface_monitor	0.281	0.055

Sample 07

Sample Code	Analyte	Measured by	Reported Value	Reported Uncertainty
7	Alpha_emission_rate	surface_monitor	0.180	0.035
7	Beta_emission_rate	surface_monitor	2.33	0.43

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