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## Water Analysis Report

Customer: Steri AS  
Plant Location: Harjumaa, Estonia.  
Cell No/ID: n/a  
Date Sample Taken: 30<sup>th</sup> December 2005

REVISS Services commissioned assays of the water samples for radioactivity and for a variety of physical and chemical attributes. Copies of the reports of these assays are attached.

Physical & chemical analysis report no: ME5385

Radioactivity analysis report no: RE0710

### Conclusions

The water quality, as analysed, meets the requirements of REVISS' Supplementary Conditions of Sale, as outlined in the current issue of QS253 (issue 8).

### Recommendations

None.

#### Notes:

1. REVISS takes all reasonably practicable precautions to ensure the integrity of the samples taken but the results given can only define the quality of the water in the sample not of the water in the pool itself.
2. The expression of a result, on the attached reports, as a 'less than' value indicates that the quoted value is the limit of detection of the analysis as performed.

In the event of any queries with this analysis, please contact:

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### Results from the Analysis of a Water Sample

Customer Reference	Laboratory Reference	SiO <sub>2</sub> mg.L <sup>-1</sup>	F <sup>-</sup> mg.L <sup>-1</sup>	Cl <sup>-</sup> mg.L <sup>-1</sup>	NO <sub>3</sub> <sup>-</sup> mg.L <sup>-1</sup>	SO <sub>4</sub> <sup>2-</sup> mg.L <sup>-1</sup>	pH		Conductivity µS.cm <sup>-1</sup>	NVR (TDS) mg.L <sup>-1</sup>
							pH units			
	Units									
	LOD	0.2	0.01	0.01	0.02	0.02		0.1	1	20
Steri AS, Harjuma, Estonia. 30/12/05	ME5385	<0.2	0.017	0.035	<0.02	0.072	6.12	2.60	10.0	NM
			0.016	0.036	<0.02	0.059				
QC found		5.2	2.58, 2.49	9.94, 10.1	4.98, 4.90	5.02, 5.08	4.08	10.0	10.0	NM
QC expected		5.0	2.50	10.0	5.00	5.00	4.10	10.0	10.0	NM

1. NM refers to a parameter that was not measured.
2. Measurement uncertainty for those results (including QC standards) significantly above the LOD is estimated to be ± 20% for SiO<sub>2</sub> and NVR (TDS) and ± 10% for F<sup>-</sup>, Cl<sup>-</sup>, NO<sub>3</sub><sup>-</sup>, SO<sub>4</sub><sup>2-</sup>, pH and conductivity.
3. Results within an order of magnitude of the LOD have a higher uncertainty.
4. For SiO<sub>2</sub> the QC is expressed as mg.L<sup>-1</sup> Si.

### Results from the Analysis of a Water Sample

Customer Reference	Laboratory Reference	Vol. (L)	<sup>137</sup> Cs	<sup>60</sup> Co
Steri AS, Harjumaa, Estonia. 30/12/05	RE0710	3.0	<0.2	<0.07

1. Results are presented as Bq L<sup>-1</sup> on samples as received.
2. Detector calibrations are based upon homogeneous standard solutions. For quantification purposes the sample is assumed to be homogeneous.
3. ( ) Indicates total % uncertainty. (2 sigma).
4. Results above LOD are to 2 significant figures.