

# APPENDIX OF TESTING PROTOCOL

Testing protocol no.:

Appendix no.:

**Appendix content:** Testing protocol no. PR1827913, ALS Czech Republic, s.r.o.,  
Na Harfě 336/9, 190 00 Prague 9, Czech Republic.

**Processed by:** Lenka Votavová, MSc, PhD

NEZÁVISLÁ OBALOVÁ  
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Prague, April 9, 2018

Assoc. Prof. Jaroslav Dobiáš, MSc, PhD  
IPL manager

*The results in this appendix of testing protocol apply for the testing samples only.  
Without the IPL authorization, this appendix may not be reproduced unless in whole.*



## CERTIFICATE OF ANALYSIS

Work Order	: PR1827913	Issue Date	: 06-Apr-2018
Customer	: Vysoka skola chemicko-technologicka v Praze	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Doc. Ing. Jaroslav Dobiáš, CSc.	Contact	: Client Service
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Project	: Smlouva č. 002/752/04	Page	: 1 of 2
Order number	: ----	Date Samples	: 29-Mar-2018
C-O-C number	: ----	Received	: ----
Site	: ----	Quote number	: ----
Sampled by	: zakaznik	Date of test	: 30-Mar-2018 - 06-Apr-2018
		QC Level	: ALS CR Standard Quality Control Schedule

### General Comments

This report shall not be reproduced except in full, without prior written approval from the laboratory.  
The laboratory declares that the test results relate only to the listed samples.

### Responsible for accuracy

Signatories  
Zdeněk Jiráček

Position  
Environmental Business Unit  
Manager

Testing Laboratory No. 1163  
Accredited by CAI according to  
CSN EN ISO/IEC 17025:2005



Issue Date : 06-Apr-2018  
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 Work Order : PR1827913  
 Customer : Vysoka skola chemicko-technologicka v Praze



### Analytical Results

Sub-Matrix: <b>INDUSTRIAL WATER</b>				Client sample ID		<b>031/18/1 - leaching into 3% acetic acid</b>		----		----	
				Laboratory sample ID		PR1827913-001		----		----	
				Client sampling date / time		29-Mar-2018 08:00		----		----	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU		
<b>Total Metals / Major Cations</b>											
Aluminium	W-METAFX1	0.010	mg/L	<0.010	----	----	----	----	----		

If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, delivery date in brackets without a time component will be displayed instead. Measurement uncertainty is expressed as expanded measurement uncertainty with coverage factor k = 2, representing 95% confidence level.

Key: LOR = Limit of reporting; MU = Measurement Uncertainty

### The end of result part of the certificate of analysis

#### Brief Method Summaries

Analytical Methods	Method Descriptions
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
W-METAFX1	CZ_SOP_D06_02_001 (US EPA 200.7, ISO 11885, CSN EN 16192, US EPA 6010, SM 3120, CSN 75 7358 samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1 and 10.2) Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values including the calculation of total mineralization and calculating the sum of Ca+Mg. Sample was fixed by nitric acid addition prior to analysis.

A “\*” symbol preceding any method indicates laboratory or subcontractor non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information. If the report contains subcontracted analysis, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.

The calculation methods of summation parameters are available on request in the client service.