REPORT

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2021-06-04	O100152-151967	1 (2)

Testing

EVOPIPES SIA
Olegs Lamovs
Langervaldes Street 2a
LV-3002 Jelgava
Latvia

Determination of fluorine, chlorine, bromine and iodine

Object and assignment

Determination of halogen (fluorine, chlorine, bromine and iodine) content according to EN 50642:2018 in two samples forwarded by the client.

Conduits EVOEL SMART for electrical installations, according to EN 61386.

Marking:	**1) EVO-50642-16-1**
	2) EVO-50642-16-2
Arrived at RISE:	2021-05-19
Date of testing:	Week 22, 2021

Methods

Fluorine (F), chlorine (Cl), bromine (Br) and iodine (I) were determined by Ion chromatography.

Test results

Sample nr.	Fluorine (F) weight-%	Chlorine (Cl) weight-%	Bromine (Br) weight-%	Iodine (I) weight-%	Total halogen content weight-%
1	<0.01	0.01	0.15	<0.01	<0.18
2	<0.01	0.01	0.09	<0.01	<0.12

Components or products classified as halogen free according to EN 50642:2018 shall comply with following specified limits:

- Fluorine (F) content ≤ 0.30 %
- Chlorine (Cl) content ≤ 0.15 %
- Bromine (Br) content ≤ 0.15 %
- Iodine (I) content ≤ 0.30 %
- Total halogen content: fluorine (F) content + chlorine (Cl) content + bromine (Br) content + iodine (I) content ≤ 0.40 %

Sample nr. 1 and sample nr. 2 fulfil the requirements and can be declared as halogen free according to EN 50642:2018.

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Performed by

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