

SPECIFICATION FOR ELECTRIC CABLES – Test description

	Part 1 Determination of the quantity of gaseous acid halides	Part 2 Determination of the toxicity index of the gases
Combustion	20°C/min to 800°C 20 min at 800°C ± 10°C	800°C ± 10°C
Time of combustion	1 hour	20 minutes
Air flow	110 cm ³ /min	120 l/hour

METHOD OF ANALYSIS OF EMISSION GASES

CO, CO₂	Analyzers and gas chromatography
HCl, HBr, HF, H₂S	Potentiometry by selective ion electrodes
SO₂	Acid Titulation
HCN, HCHO	Spectrophotometry
NOX, NH	Chemical luminescence
Acrylonitrile	Mass spectrometry

	LATENE 3 H2W-V0		LATAMID 68 H2-V0		LATAMID 66 H2 G/25-V0KB1		LATILON 28D G/30		KELON B FR H2 CEG/500 -V0CT3	
Certificate issued in date	02/05/1989		02/05/1989		02/05/1989		02/05/1989		19/06/1991	
	mg/g	ppm• 100g•m ³	mg/g	ppm• 100g•m ³	mg/g	ppm• 100g•m ³	mg/g	ppm• 100g•m ³	mg/g	ppm• 100g•m ³
Carbon dioxide	450	22960	475	24235	420	21430	1135	57910	280	14285
Carbon monoxide	52	4160	100	8000	60	4800	64	5120	51	4080
Hydrochloric acid	*	*	*	*	*	*	*	*	*	*
Hydrobromic acid	*	*	*	*	*	*	*	*	*	*
Hydrofluoric acid	*	*	*	*	*	*	*	*	*	*
Hydrogen cyanide	2	167	40	3330	36	3000	*	*	17	1416
Nitrous oxide (NO₂)	0.3	15	0.4	20	2	98	0.1	5	0.15	7.5
Sulphur dioxide	*	*	*	*	*	*	*	*	*	*
Hydrogen sulphide	#	#	*	*	*	*	*	*	*	*
Ammonia	*	*	2.4	316	1.5	197	*	*	5	658
Acrylonitrile	*	*	15	635	23	974	*	*	2	85
Formaldehyde	1.5	112	1.5	112	1.2	90	0.6	45	*	*

QUANTITY OF ACID HALIDES

Expressed as HCl (mg/g)	*	*	*	*	
Toxicity index	2.7	26.8	24.7	2.0	11.7

Legend

*absent

trace (<0.1 mg/g)

Note: Tests carried out the account of LATI by CSI Lab. - Viale Lombardia, 20 - 20121 BOLLATE (MI)
REMARKS

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