

Stack emissions monitoring

Note: This relates to emissions from point sources, not ambient air monitoring.

Parameter monitored	Standard methodology used	Emission point	Detection limit	Is this company accredited for this test? ¹
Determination of velocity and flow rate by Pitot tube	UNI 10169:2001	Stationary source emission	--	Yes
Oxygen	UNI EN 14789:2006	Stationary source emission	1 %	Yes
Carbon Dioxide	ISO 12039:2001	Stationary source emission	1 %	Yes
Carbon Monoxide	UNI EN 15058:2006	Stationary source emission	5 mg/Nm ³	Yes
Nitrogen Oxides (NOx)	UNI 10878:2000	Stationary source emission	5 mg/Nm ³	Yes
	UNI EN 14792:2006	Stationary source emission	5 mg/Nm ³	No
	D.M. 25/08/00 GU SO n°223 23/09/00 All.1	Stationary source emission	10 mg/Nm ³	Yes
Sulfur Dioxide (SOx)	UNI 10393:1995	Stationary source emission	5 mg/Nm ³	Yes
	UNI EN 14791:2006	Stationary source emission	10 mg/Nm ³	No
	D.M. 25/08/00 GU SO n°223 23/09/00 All.1	Stationary source emission	10 mg/Nm ³	Yes
Water vapour in ducts	UNI EN 14790:2006	Stationary source emission	0.01 Kg/Nm ³	No
Dust	UNI EN 13284-1:2003	Stationary source emission	1.0 mg/Nm ³	Yes
Total emission of: As,Cd,Cr,Co,Cu,Mn,Ni,Pb,Sb,Tl,V	UNI EN 14385:2004	Stationary source emission	0.005 mg/Nm ³	No
Total emission of: Be,Se	US EPA Methods 29	Stationary source emission	0.005 mg/Nm ³	No
Total emission of: Hg	UNI EN 13211-1:2003	Stationary source emission	0.001 mg/Nm ³	No
Mass concentration of gaseous chlorides expressed as HCl	UNI EN 1911:2010	Stationary source	1.0 mg/Nm ³	No

¹ Accredited tests are subcontracted.

Parameter monitored	Standard methodology used	Emission point	Detection limit	Is this company accredited for this test? 1
		emission		
	D.M. 25/08/00 GU SO n°223 23/09/00 All.2	Stationary source emission	1.0 mg/Nm ³	Yes
Mass concentration of gaseous Florides expressed as HF	D.M. 25/08/00 GU SO n°223 23/09/00 All.2	Stationary source emission	0.5 mg/Nm ³	Yes
PAHs	D.M. 25/08/2000 All.3	Stationary source emission	0.001 mg/Nm ³	Yes
PCDDs/PCDFs	UNI EN 1948-1,2,3:2006	Stationary source emission	0.001 ng/Nm ³	Yes
Mass concentration of individual gaseous organic compounds (COV)	UNI EN 13649:2002	Stationary source emission	0.1 mg/Nm ³	No
PM10/PM2,5 mass concentration in flue gas	ISO 23210:2009	Stationary source emission	1.0 mg/Nm ³	No
Ammonia (NH ₃)	MU 634:1984	Stationary source emission	1.0 mg/Nm ³	No
	US EPA methods CTM-027	Stationary source emission	1.0 mg/Nm ³	No
Formaldehyde	EPA TO11A	Stationary source emission	0.5 mg/Nm ³	No
Hydrogen Sulfide	MU 634:1984	Stationary source emission	1.0 mg/Nm ³	No
Total emission of: Cr VI	UNI EN 13284-1:2003+MIP 041 Rev. 00:2007+EPA 7199:2006	Stationary source emission	0.005 mg/Nm ³	No