



Product specification MethaTec® Detox S Standard

MethaTec® Detox S Standard is a powdery reactant, which contains iron (III)-oxidhydrate (FeO(OH)). Iron (III)-oxidhydrate is used to bind dangerous sulphur hydrogen in biogas plants.

Chemical designation	:	iron(III)-oxidhydrate, ironoxihydroxide
formula	:	FeO(OH)
Iron content (Fe ³⁺)	:	min. 30 %, in DM
Dry Matter	:	> 80 %
Color	:	Red / brown
Configuration	:	powdery
Bulk density	:	1000 ± 80 g/l (loose), with app. 80 % DM
Particle size	:	0 – 2 mm

Heavy metal content

Heavy metal	chem. Symbol	content [mg/kg DM]	typical content [mg/kg DM]	limit referred to DüMV [mg/kg DM]
Arsenic	As	< 80	20 - 70	80 ¹⁾
Lead	Pb	< 50	< 40	150
Cadmium	Cd	< 1.0	0.1 – 0.6	1.0
Chromium	Cr	< 20	< 20	n.a. (Kennz. ab 300)
Chromium (VI)	Cr	< 1.0	< 0.1 – 15	2.0
Copper	Cu	< 20	< 2 – 15	-
Nickel	Ni	< 100	30 - 95	120
Mercury	Hg	< 0.4	0.05 – 0.3	1.0
Zinc	Zn	< 500	100 - 450	-
Thallium	Tl	< 0.4	0.4	1.0

Up to date 07/2014

¹⁾ This sheet gives average values, taken from a lot of analyses. They do not represent a sales specification. Also you cannot derive the characteristics of the product. The user of our product is responsible for the right usage and the abidance of laws and formalities.

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