

Product specification MethaTec® Detox S Turbo

Desulphurisation for biogas plants

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

Product description

Chemical designation: iron(III)-oxidhydrate, ironoxihydroxide
 Formula: FeO(OH), Fe₂O₃
 Iron content (Fe³⁺): mind. 30 %, in DM
 DM content: > 85 %
 Color: red brown
 Configuration: powdery
 Bulk density: 1.000 ± 80 g/l, with ~ 85 % TS

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	< 56	30 - 70	80 ¹
Lead	Pb	< 5	< 30	150
Cadmium	Cd	< 0,4	0,1 - 0,6	1,5
Chromium.	Cr	< 4,5	< 150	n.a. (Kennz. ab 300)
Chromium (VI)	Cr	< 1,0	< 1,0	2,0
Copper	Cu	< 8,3	< 40 - 80	-
Nickel	Ni	< 11	70 - 100	120 ¹
Mercury	Hg	< 0,13	0,05 - 0,3	1,0
Zinc	Zn	< 42	100 - 300	-
Thallium	Tl	< 0,4	< 0,4	1,0
Perfluorierte Tenside	PFT	< 0,02	< 0,02	0,1

All of these information are average values from a lot of analyzes, they do not represent a sales specification. The limits of harmful substances referred to (DümV) 13. Dezember 2013 are complied with. The extraction of iron(III)-oxidhydrat can cause organic and anorganic parts remaining in the product (for example parts of roots) up to 5 mm grain size. The efficiency of the product is not influenced by that.

¹ All of these information are average values from a lot of analyzes. They are not represent a sales specification. From these information a guarantee in view of the product properties cannot be derived. The user of our product is responsible for the right usage and the abidance by the laws and formalities.