

SULFAFIX

HIGH PERFORMANCE MEDIA

DESCRIPTION

Type	Technical oxide
Delivery form	Powder
Chemical class	Mixture of iron oxides and iron hydroxides
CAS-No	20344-49-4/1317-60-8

PROPERTIES

Natural origin
Micronized material
High specific surface
High reactivity and efficiency

APPLICATIONS

Biogas desulfurization
Elimination/capture H ₂ S

INFORMATIVE TECHNICAL DATA (guide values)

Typical Chemical Analysis (ICP-OES)

Oxides	% Weight
FeOOH	73.0
SiO ₂	13.0
Al ₂ O ₃	4.0
MnO ₂	3.5
MgO	1.5
K ₂ O	0.5
CaO	0.1
P ₂ O ₅	0.15
TiO ₂	0.1
BaO	≤0.1
Na ₂ O	<0.05
Cr ₂ O ₃	<0.07

Trace metal content (ICP-OES)

Elem.	ppm	Elem.	ppm	Elem.	ppm
Ag	≤0.1	Ga	≤15	Se	<0.5
As	<20	Hg	≤2	Sn	≤3
Au	<0.02	Mo	≤3	Ta	≤0.5
Bi	≤0.5	Nb	<5	Tl	<0.5
Cd	≤0.1	Ni	80 (±20)	V	65 (±40)
Co	40 (±15)	Pb	<10	W	≤5
Cu	25 (±15)	Sb	≤2	Zn	55 (±20)

Granulometric Properties

Test Method: ISO 13320-1

Average particle size (µm): 2.00 (±20)
Maximum particle size (µm): 10.00 (±0.10)
d(0.1): 0.2 µm; d(0.5): 1.45 µm; d(0.9): 4.8 µm

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