

Technical Datasheet	Aqua-garfine according to EN 12910	QMS-No. GBT61111
General	Aqua-garfine is a naturally occurring mineral we chemical, hardness and microstructure characteristic essential properties for a wide variety of industrial use	cs, which provide the

aluminosilicate, which has the formula: Fe₃Al₂(SiO₄)₃.

essential properties for a wide variety of industrial uses.

Aqua-garfine is the compositional variety known as almandite. There are no free elements; all oxides are combined chemically as an iron-rich

This natural product originates from a very large alluvial deposit. It is processed to provide a consistent clean product free of organic matter, dust and superfines.

Applications Seeding material

for upstream crystallisation softening process. Because of its high density and very uniform, narrow grading it

- allows a much lower reactor height compared to silica sand and
- guarantees a minimum to none carry over.

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Chemical			Average figures	EN 12910
analysis	SiO_2	mass-%	36.1	32 - 42
•	FeO	mass-%	29.8	20 - 40
	Al_2O_3	mass-%	20.4	15 - 25
	Fe_2O_3	mass-%	1.7	0 - 15
	TiO_2	mass-%	1.8	0 - 5
	MnO	mass-%	1.1	0 - 5
	CaO	mass-%	1.6	0 - 5
	MgO	mass-%	6.0	0 - 15
	Typical mineral compos	sition		
	Garnet (Almandite)	mass-%	98.0	<u>-</u>
	Ilmenite	mass-%	1.5	_
	Zircon	mass-%	0.25	- H :-
	Quartz	mass-%	0.25	-
Physical			Average figures	EN 12910
characteristics	Density	g/cm ³	4.1	4.1
	Bulk density, packed	kg/m ³	2380	< 2400
	Shape sub-a	ngular		
	everage and active service of the service service service service services.	•	0.18-0.55 mm	

Packaging

- 25 kg 2-ply craft paper bags with plastic inner bag, palletised, shrinkwrapped.
- Big bags.
- Bulk carriers.

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