



# Technical Data



# HARCOURT

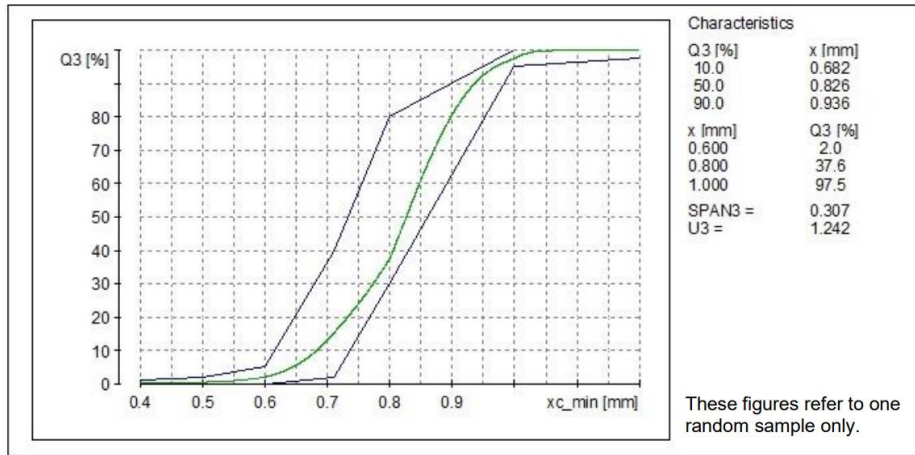
MINERALS

## Silica Sand 0.6-1.0mm (calibrated quartz sand)

Sand for treating water intended for human consumption. In accordance with European assessment document EN 12904:2005. Washed and classified, disinfected and dried by heat, reprocessed and accurately sieved.

Grain size gradation:		
Sieve size (mm)	Typical in % passing through sieve	Specification
1.25	100	98-100
1.0	98	95-100
0.8	40	40-90
0.71	15	20-50
0.6	2	0-5
0.5	0.5	0-2
0.4	0.2	0-1
rest	traces	0-1

Physical characteristics	
Specific gravity	2.65 g/cm <sup>3</sup>
Particle density loose	1.50 g/cm <sup>3</sup>
Particle density compacted	1.65 g/cm <sup>3</sup>
Colour	Pearl white
Structure	Closed
Shape	≥ 80% spherical
Foreign matter	None
Softening point	>1200 °C
Melting point	>1500 °C
Hardness	7 Mohs



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Chemical Composition in % (XRF)			
Silicon	SiO <sub>2</sub>	99.1	Type 1 (≥96)
Aluminium	Al <sub>2</sub> O <sub>3</sub>	0.4	Type 1 (≤3)
Potassium	K <sub>2</sub> O	0.2	Type 1 (≤2)
Iron	Fe <sub>2</sub> O <sub>3</sub>	0.1	Type 1 (≤2)
Calcium	CaO	<0.02	Type 1 (≤1.5)
Sodium	Na <sub>2</sub> O	<0.02	Type 1 (≤1.5)
Soluble	in acid	0.04	Type 1 (≤2)
Loss of ignition		550 °C	<0.2
Water		H <sub>2</sub> O	<0.05
Magnesium		MgO	<0.02
Sulphur		SO <sub>3</sub>	<0.02
Phosphorus		P <sub>2</sub> O <sub>5</sub>	<0.02
Fluorine		Pfas	none