



# KREMER ZAND EN GRIND

## SPECIAAL ZAND EN GRIND

1. Unique identification					<b>Quartz gravel</b>				
2. Name					Gravel 4,0-8,0 In accordance with NEN-EN 12904:2005(E)				
2a. Commercial name					Dried and calibrated gravel 4,0-8,0				
3. Application					Gravel for treating water intended for human consumption.				
4. Name and contact address manufacturer					Kremer speciaal zand en grind Pieter de Keyserstraat 3 7825 VE Emmen				
5. Name and contact address representative					None				
6. System for assessment and verification of constancy of performance					Not applicable				
7. Activity of the reported certification body, as required by the harmonised standard					Not applicable				
8. European technical assessment					Not applicable				
9. Indicated performance									
Essential characteristics					Performance			European assessment dossier	
5.2 Category grain size gradation					limits (%)			NEN-EN 12904	
					11,2	mm	100		
					<b>8,0</b>	mm	90-100		
					5,6	mm	15-85		
					<b>4,0</b>	mm	0-10		
					3,15	mm	0-5		
					2,5	mm	0-2		
					2,0	mm	0		
5.3	Particle density loose (NEN-EN12902)				1690	kg/m³			
5.3	Particle density compacted (NEN-EN12902)				1760	kg/m³			
Chemical composition % (XRF).									
	Comp	m %	Complies with		Comp	m %	Complies with		
A.2.1	SiO <sub>2</sub>	98.6	Type 1 (≥ 96)		Fe <sub>2</sub> O <sub>3</sub>	0.33	Type 1 (≤ 2)		
A.2.1	CaO	0.02	Type 1 (≤ 1.5)		K <sub>2</sub> O	0.48	Type 1 (≤ 2)		
A.2.1	Na <sub>2</sub> O	0.04	Type 1 (≤ 1.5)		Al <sub>2</sub> O <sub>3</sub>	0.46	Type 1 (≤ 3)		
	TiO <sub>2</sub>	0.04			MgO	0.04			
	P <sub>2</sub> O <sub>5</sub>	0.01			SO <sub>3</sub>	0.02			
	Acid soluble component					0.13	Type 1 (≤ 2)	NEN-EN 12904	
	Hardness		7 Mohs						
	Loss on ignition		0.20 %						

**10. The performances of the product described in points 1 and 2 are in accordance with the performance indicated in point 9. This declaration of performance is provided under the exclusive responsibility of the manufacturer listed in point 4.**

The MSDS is available on the internet at <http://www.kremerzandengrind.nl>

Emmen, 27 August 2014

Signed:

**C.A. Kremer**  
Director