

## Certificate of analysis

### Test Results of Potassium Chloride

#### Particle Size Distribution:

mm	Cumulative % by weight	
	Guarantee, %	Typical, %
-2 (<2)	no less 90,0	98-99
+2(>2)		0.3-1
+1 (> 1)		11-24
+0,5(0,5-1)		40-48
+0,25(0,25-0,5)		22-27
+0.1 (0, 1-0,25)		8-16
0.1 (<0,1)	no more 3,0	1-3

#### Chemical Analysis:

PROPERTIES	Result	Unit	Symbol
Mass fraction of Potassium chloride in terms of K <sub>2</sub> O	no less 62,00	%	K <sub>2</sub> O
Mass fraction of Potassium Chloride	no less 98,0	%	KCl
Water mass content	no more 0,50	%	H <sub>2</sub> O
Mass fraction of Zinc	no more 23,0	mg/kg(ppm)	Zn
Mass fraction of Mercury	no more 2,1	mg/kg(ppm)	Hg
Mass fraction of Lead	no more 32,0	mg/kg(ppm)	Pb
Mass fraction of Arsenic	no more 2,0	mg/kg(ppm)	As
Mass fraction of Cadmium	no more 0,5	mg/kg(ppm)	Cd
Mass fraction of Sodium Chloride	no more 1,30	%	NaCl
Mass fraction of Sum of Magnesium and Calcium	no more 0,10	%	Mg <sup>++</sup> Ca <sup>++</sup>
Mass fraction of Sulfate	no more 0,05	%	SO <sub>4</sub>
Insoluble in water	no more 0,20	%	

#### Physical Properties:

Properties	Range	Unit
Bulk density	1.11-1.15	ton/m <sup>3</sup>
Bulk density (packed)	1.18-1.22	ton/m <sup>3</sup>
Angle of repose	24-29	degrees
Color	White / Gray Color tone	-