

Chemical Specifications:

A. Potassium Chloride.

Scientific Name	KCl
Application:	Drilling/workover fluid additive
Appearance	White to red dry, crystalline/powder/granules
Safety hazard	Non-combustible
Environmental hazard	At most slightly toxic to aquatic life
Waste Disposal Procedures:	Downhole injection (pre-dissolved)
Form of supply:	1 tonne bags

Brand: "B", TU 2152-013-00203944-99 MOP – Standard White "technical dust-free"

Origin: Russia

PROPERTIES:

No	Property	Norm	Test Results
1	Appearance	Fine crystals, white in colour	
2	KCl, %, not less than	98.0	99.6
3	K ₂ O, %, not less than	62.0	62.3
4	Water insolubles, %, not more than	0.2	<0.1
5	NaCl, %, not more than	1.3	1.16
6	Ca-ion (Ca ²⁺), %, not less than	0.03	0.016
7	Mg-ion (Mg ²⁺), %, not more than	0.02	0.007
8	Sulphate ion (SO ₄ ²⁻), %, not more than	0.2	0.01
9	Amines, %, not more than	0.02	0.01.1
10	Water, %, not more than	1.0	0.07
11	Free flowing, %	100	100

The product is treated with anticaking and antidust agents.
The typical analysis results are presented for information.

Particle Size Distribution:

mm	Cumulative % by weight	
	Guarantee, %	Typical, %
-2 (<1)	90,0 min	99,5 – 98,5
+1 (1-2)		8,0 – 24,0
+0,8 (0,8-1)		7,0 – 16,0
+0,5 (0,5-0,8)		25,0 – 34,0
+0,25 (0,25-0,5)		19,0 – 34,0
+0,1 (0,1-0,25)		6,0 – 23,0
-0,1 (<0,1)	3,0 max	1,0 – 3,0
		Range
Size Guide Number (SGN)		59 – 69

Physical Properties:

	Unit	Range
Bulk density	kg/m ³	1,13 – 1,17
Angle of repose	degrees	30

Packaging:

The chemical is packed in flat bottom bulk bags of 1000 kg, made out of woven polypropylene bags with fabric minimum thickness 6.5 oz per sq. yard with reinforced panels, plus separate polythene inner bag 3 mil/ h/t or 6 mil LLD polyethylene, with four min 10" cross corner lifting straps 115 x 115 x **which are stitched all the way around the bag**, safety factor 5:1 and bag dimensions 100 cms. Stackable without pallet and containing of 1000 kg net.

The bulk bag comply with BS 6382 part 1, 1983.

The bulk bag is UV treated to the minimum level of 200 kilolanglely/cm²/year, capable of withstanding storage in direct sunlight for a minimum period of six months. The residual tensile strength of the bulk bag should at least be 50% after one full year exposure to UV light in Oman.