

**5100000 Drugs and Pharmaceutical Products**

**51180000 Hormones and hormone antagonists**

**51181600 Thyroid and antithyroid drugs**

**Commodity : Potassium chlorate; UNSPSC CODE : 511816**

**Selling Unit : mass-gm**

S.No.	Parameters	Type	Value 1	Value 2	Value 3	Value 4	Validation/ Remark	M	F	G	Demand aggregation
<b>Description</b>											
1	Form	Ch	white powder	crystals	solution			√	√	√	
2	The material shall be odourless and free from grit and visible impurities	Ch	Yes					√			
3	The surface of aqueous solution of the material shall not show any oil film	Ch	Yes	NA				√	√		
4	Particle Size	Ch	99 percent of the material in the powder form shall pass through 124-micron IS Siev and 99 percent shall be retained on 90-micron IS Sieve	as agreed to between the purchaser and the supplier				√	√		
<b>REQUIRMENTS</b>											
5	pH value	N	5 to 8					√	√		
6	Moisture, percent by mass, Max	N	0.05					√			
7	Insoluble matter, percent by mass, Max	N	0.05					√			
8	Chlorides (as Cl), percent by mass, Max	N	0.03	0.10				√	√		
9	Potassium chlorate (as KClO <sub>3</sub> ), percent by mass, Min	N	99.25	99.80				√	√		

10	Perchlorates (as $\text{KClO}_4$ ), percent by mass, Max	N	0.15	Nil				√	√		
11	Sulphates (as $\text{SO}_4$ ), percent by mass, Max	N	0.03					√			
12	Bromates (as $\text{BrO}_3$ ), percent by mass, Max	N	0.04	0.15				√	√		
13	Grit	N	shall be free from grit					√			
14	Nitrogen compounds (as N), percent by mass, Max	N	0.01	NA				√	√		
15	Alkaline earth and iron, percent by mass, Max	N	0.02	NA				√	√		
16	Heavy metals	N	To pass test	NA				√	√		
17	Sodium	N	To pass test	NA				√	√		
18	Organic matter, percent by mass, Max	N	0.01	NA				√	√		
19	Hypochlorite	N	Shall be free from hypochlorite					√			
<b>Packing</b>											
20	Potassium chlorate shall be packed in containers as agreed to between the purchaser and the supplier and subject to relevant provision of Red Tariff No. 17 of 1954 issued by the Indian Railway Conference Association, with any alterations or additions made thereafter	CH	Yes					√			

21	Necessary safeguards shall be provided against risk of dangerous explosions which might occur when the material is heated or subjected to concussion or triturated with organic substances, charocal, sulphur, sulphides, powdered metallic iron or other oxidizable substances and precautions shall be taken at all times to prevent accident by explosions	CH	Yes						√			
22	Packing size (in gm)	N	500	1000					√	√	√	
<b>Marking</b>												
23	The package constituting a consignment shall each be legibly marked with a description of the contents, a distinctive lot number, consecutive package number, the tare and net mass, the supplier's initials or recognized trademark, if any, and other relevant provisions of Red Tariff No. 17 of 1954 issued by the Indian Railway Conference Association, with any alterations or additions made thereafter	CH	YES						√			
24	The package may also be marked with Standard mark	CH	YES						√			
<b>Shelf Life</b>												
25	Shelf Life (months)	N	6	12	24	36			√	√	√	
<b>Certification</b>												
26	Conforming to IS:708(Latest)	CH	YES						√			
27	Whether ISI Marked	CH	YES	No					√	√		
28	CM/L Number(Must declare if ISI Marked)	CH	YES	NA					√	√		

Test Report Details											
29	Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification	Ch	Yes	No				√	√		
30	Test Report to be submitted to the Buyer on Demand write NA if Test report is not available	Ch	Yes	NA				√	√		