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P5252

**CATER CHEMICALS CORP.**30, MONACO DRIVE, ROSELLE, IL 60172  
P.O. BOX 72955, ROSELLE, IL 60172TEL: (630) 980-2300  
FAX: (630) 980-2323**CERTIFICATE OF ANALYSIS**

<b>Name of Product</b>	:	Potassium Nitrate			
<b>Batch No.</b>	:	BB-2209295	<b>Grade</b>	:	ACS /FCC
<b>Batch Size</b>	:	500 Kg	<b>CAS No.</b>	:	7757 – 79 – 1
<b>Mfg. Date</b>	:	26/09/2022	<b>A .R. No.</b>	:	FP/09/22/295
<b>Retested Date</b>	:	25/09/2024	<b>Date of Analysis</b>	:	25/09/2024
<b>Exp.Date</b>	:	24/09/2026			
<b>Molecular Weight</b>	:	101.10g/mol	<b>Date of Release</b>	:	26/09/2024
<b>Molecular Formula</b>	:	KNO <sub>3</sub>	<b>Country of Origin</b>	:	India

Sr. No.	Tests	Specification/Limits	Observation
1	Description	White Crystalline powder	White Crystalline powder
2	Identification	To pass test	Passes Test
3	Assay (KNO <sub>3</sub> )	Min. 99.0-100.5 %	99.64 %
4	pH of 5 % solution @ 25 °C	4.5 – 8.5	5.85
5	Insoluble matter	Max. 0.005 %	0.0030 %
6	Chloride (Cl)	Max. 0.002 %	< 0.002 %
7	Iodate (IO <sub>3</sub> )	Max. 5 ppm	< 5 ppm
8	Nitrite (NO <sub>2</sub> )	Max. 0.001 %	< 0.001%
9	Phosphate (PO <sub>4</sub> )	Max. 5 ppm	< 5 ppm
10	Sulfate (SO <sub>4</sub> )	Max. 0.003 %	< 0.003 %
11	Heavy metals (by ICP-OES)	Max. 5 ppm	< 5 ppm
12	Iron (Fe)	Max. 3 ppm	< 3 ppm
13	Calcium (Ca)	Max. 0.005 %	< 0.005 %
14	Magnesium (Mg)	Max. 0.002 %	< 0.002 %
15	Sodium (Na)	Max. 0.005%	< 0.005%
16	Water (Internal)	Max.0.5 %	0.13 %
17	Chlorate(ClO <sub>3</sub> )	To pass test	Passes test
18	Lead (Pb)	Max.4mg/kg	< 4mg/kg
19	Loss on drying(at 105°C for 4h)	Max.1.0%	0.20%

**Conclusion:** Sample complies as per above specification. ( Material is not intended use for API)

Analyzed By/Date	Checked By/Date
 26/09/24	 26/09/24

**Customers Are The Entire Reason**

PLANTS :

**INDIANA**

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