

**FINISHED PRODUCT: CERTIFICATE OF ANALYSIS**

**DEPARTMENT : QUALITY CONTROL**

Ref .SOP No      QC/017, Rev – 00      Format No. : QC/017/F/02-00

**Name of product** : POTASSIUM HYDROXIDE PELLETS JP

**Chemical Formula** : KOH      **Molecular Weight**: 56.11 gm/mol.      **CAS No** : 1310-58-3

**HSN Code**      28152000      **Batch Number**      037001B23

**Date of sampling**      24/02/2023      **Date of Manufacture**      Feb.-2023

**Sample Quantity**      100.00 Gms.      **Date of Expiry**      5 Years after Mfg. date

**Date of Analysis**      24/02/2023

**Date of Release**      24/02/2023

**Mfg. Lic. No.**      G/25/2513

Sr. No.	Test	Observation	Specification
1.	Appearance	<b>White Pellets</b>	White fused masses, in small pellets, in flakes, in sticks and other forms. It is hard and brittle, and shows a crystalline fracture.
2.	Solubility	<b>It is Freely soluble in water and in ethanol (95 %), and practically insoluble in diethyl ether.</b>	It is Freely soluble in water and in ethanol (95 %), and practically insoluble in diethyl ether.
3.	<b>Identification A</b> A Solution of Potassium Hydroxide (1 in 500) is alkaline. <b>Identification B</b> Test A gives reaction of potassium Salts	<b>Complies</b>  <b>Complies</b>	To pass test  To pass test
4.	Clarity of Color Solution	<b>The solution is clear and colorless</b>	The solution is clear and colorless
5.	Chlorides	<b>Complies</b>	NMT 0.050 %
6.	Heavy Metals	<b>Complies</b>	NMT 30 ppm
7.	Sodium	<b>Complies</b>	No Persistent Yellow Color Develops
8.	Potassium Carbonate	<b>0.35 %</b>	NMT 2.0 %
9.	Assay	<b>85.20 %</b>	Not Less than 85.0 %

**Storage Condition** : In an airtight, non-metallic container.

**Remarks:** The above product complies with above specification.

	Prepared By/Analyzed by	Approved by
<b>Signature</b>		 
<b>Date</b>	24/02/2023	24/02/2023