



## CERTIFICATE OF ANALYSIS

**Product:** Sodium Hydroxide granulated, Laboratory grade  
**Order No.:** 405.05.01000.02  
**Batch No/Lot No:** 405.05.01-G03.21  
**Quantity:** 1Kg  
**Date of Production:** 03/07/2021  
**Retest Date:** 03/07/2023

Row	Test Item	Specification	Results	Reference
1	Description	White, or practically white, fused masses, in small pellets, in flaks, or sticks & in other forms. Is hard & brittle & shows a crystalline fracture. Exposed to the air, it rapidly absorbs carbon dioxide & moisture.	<b>Conforms</b>	USP40
2	Solubility	Free soluble in water & in alcohol.	<b>Conforms</b>	USP40
3	Identification (Sodium)	With potassium pyroantimoanate a dense precipitate is formed & intense yellow color to a nonluminous flame	<b>Conforms</b>	USP40 <191>
4	Insoluble substances & organic matter	A solution (1 in 20) is complete, clear, & colorless to slightly colored.	<b>Conforms</b>	USP40
5	Potassium	No precipitate is formed.	<b>Conforms</b>	USP40
6	Heavy metals	N.M.T 30 ppm.	<b>&lt; 30</b>	USP38 <231>
7	Na <sub>2</sub> CO <sub>3</sub>	N.M.T 3.0%	<b>1.4</b>	USP40
8	Assay	Between 95.0 – 100.5 % of total alkali, calculated as NaOH	<b>99.3</b>	USP40

QC. Manager: Ms. Iravani

Qualified Person: Dr. Mojallali

Status:

Date: 05.07.2021



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