



COPY No. 2

## THE GOVERNMENT PHARMACEUTICAL ORGANIZATION

## RAW MATERIAL SPECIFICATION

<b>Title:</b> Sodium Bicarbonate BP (Item No. 41023660)	<b>Spec. No. :</b> SP-AK30-S8
<b>Reference(s):</b> BP 2019 page II-880 to II-881	<b>Rev. No. :</b> 04
<b>Other Requirements:</b> GPO Specification	<b>Page :</b> 1/2

BP 2019

Test Parameters	Requirement
Description	White or almost white, crystalline powder.
Solubility	Soluble in water, practically insoluble in ethanol (96%).
Identification	A. A pale pink colour is produced. Heat; gas is evolved and the solution becomes red.
	B. It gives the reaction of carbonates and bicarbonates.
	C. It gives the reaction (a) of sodium.
Appearance of solution	Solution S (5.0% w/v solution) is clear and colourless.
Carbonates	The pH of freshly prepared Solution S is not greater than 8.6.
Chlorides	Not more than 150 ppm.
Sulfates	Not more than 150 ppm.
Ammonium	Not more than 20 ppm.
Arsenic	Not more than 2 ppm.
Calcium	Not more than 100 ppm.
Iron	Not more than 20 ppm.
Assay	99.0% - 101.0% of $\text{NaHCO}_3$ .

GPO Specification

Test Parameter	Requirement
Heavy metals	Not more than 10 ppm.

เอกสารไม่ควบคุม

ใช้ในการจัดซื้อ

Prepared by : J. Noppadech / 23/01/20 Head of Raw Material Standard Section 2	Reviewed by : Tanna / 23/01/20 Director of Raw Material Standard Division	Approved by : Vichien Rungroj / 23/01/20 Director of Quality Assurance Department (Acting)	Eff. Date 15/02/20
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Prepared by :	Reviewed by :	Approved by :	Eff. Date
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