



Escentials of Australia

CERTIFICATE OF ANALYSIS

Bicarb Soda

Cas No: 144-55-8

INCI Sodium Bicarbonate USP

General purpose cosmetic ingredient



Appearance White fine free flowing powder

Odour Nil

Molecular weight 84.01

SG 2.16

Solubility in Water @60 deg 16.4%

pH 3% solution 8.1

Heavy Metals <5ppm

Aluminium ND

Chlorides as Cl <150ppm

Cadmium <1ppm

Particle size

150 micron 0.0%

75 micron 40.0%

45 micron 77%

Batch 13..

Shelf Life 36 months. Store in a cool dark place

Compiled Jun 2020

ANALYSIS	SPECIFICATION
Appearance:	Solid wax pellets, white ivory colour
Odor:	characteristic
Refractive Index @ 20C	1.439
Alkali impurities BP98	0.1%
pH 1%	6.7
Melting point	(Range 47.0—55.0) 50 deg C approx
Hydroxyl Value (mgKOH/g)	185
Acid Value	0.1
Saponification Value	0.6

Batch No 120...

Shelf life 2 years

Retest after one year

Store in a cool dry place

ACID VALUE mg KOH/g 0.01
Saponification value mg KOH/g 0.28
Iodine Value g I₂/100g 0.01
Hydroxyl value mg KOH/g 213.71
Titer Deg C 54.69
Hydrocarbon % 0.06
Moisture % 0.02
Carbon chain
C14: and lower 0.36
C16: 29.15
C18: 69.87
C20: and higher 0.06



Batch No 99...
Shelf life 2 years
Retest after one year