

TECHNICAL SPECIFICATIONS

SODIUM SACCHARIN HQ 6% HYDRATE

Sweetener for food E-954

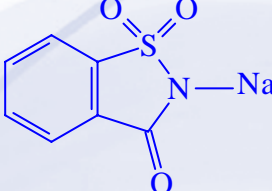
Product Code : 2121 (boxes 25 kg); 2123 (drums 50 kg); 2125 (big bags 500 kg); 2127 (big bags 1.000 kg).

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CHARACTERISTIC	SPECIFICATION	METHOD
Formula	$C_7H_4NO_3SNa \cdot 2/3 H_2O$ 	
Chemical name	2-Sodio-1,2-benzisothiazol-3-(2H)-one 1,1-dioxide, 2/3 hydrate	
Relative molecular mass	217,2 (2/3 hydrate) 205,2 (anhydrous salt)	
Appearance	White or almost white odourless micro crystals.	
Taste	Intensely sweet.	
Appearance of solution	Clear and colourless	Eur. Ph.
Identification	B. I.R. spectrophotometry E. Reaction of sodium	Eur. Ph. Eur. Ph.
Solubility	Freely soluble in water, sparingly soluble in alcohol	
Water:	< 6%	Eur. Ph.
Content	99,0 – 101,0%	Eur. Ph.
pH (10% solution in water)	6,0 - 7,5	PRO.49

CHARACTERISTIC	SPECIFICATION	METHOD
Acidity or alkalinity	Pass the test.	Eur. Ph.
Benzoates and salicylates	Not detectable (<i>Not limited by Eur. Ph.</i>)	Dir. Eur.
(¹) Heavy metals (as lead)	< 10 ppm (<i>Eur. Ph. < 20 ppm</i>)	Eur. Ph.
(¹) Lead	< 1 ppm	ICP-MS.
(¹) Selenium	< 30 ppm	ICP-MS.
(¹) Arsenic	< 2 ppm (<i>Eur. Ph. < 3 ppm</i>)	ICP-MS.
Readily carbonizable substances	Pass the test.	Eur. Ph.
p-TSA (toluenesulphonamide)	< 10 ppm	Eur. Ph.
o-TSA (toluenesulphonamide)	< 10 ppm	Eur. Ph.
(¹) 1,2-benzisotiazoline-3-one (BIT)	< 5 ppm (<i>Not limited by Eur. Ph.</i>)	
(¹) Methyl anthranilate	< 1 ppm (<i>Not limited by Eur. Ph.</i>)	
(¹) p-sulphonamidobenzoic acid	< 10 ppm (<i>Not limited by Eur. Ph.</i>)	
Organic Volatiles Impurities	Passes the test (<i>Not limited by Eur.Ph.</i>)	U.S.P. XXV
(¹) Microbiology Total aerobic mesophilic bacteria Total coliform bacteria Salmonella spp. Mould and yeast	(<i>Not limited by Eur. Ph.</i>) < 100 cfu/g Absence / 0.1 g Absence / 25 g < 100 cfu/g	Eur. Ph.
(¹) Residual Solvents: Toluene Methanol	< 1 ppm (<i>Eur. Ph. < 890 ppm</i>) < 5 ppm (<i>Eur. Ph. < 3000 ppm</i>)	Eur. Ph.
Shelf life	Five years	

(¹) : *Limit of the European Pharmacopoeia: higher or not mentioned.*

USE: FOOD and DRINKS, according to the Regulation (EU) 1333/2008, Regulation (EU) 1129/2011, and subsequent modifications. PHARMACY, according to European Pharmacopoeia 7th edition. Any other applicable regulation must be observed.

PURITY according to Regulation (EU) 231/2012 and amendments and European Pharmacopoeia 7th edition, USP 34 (2011), FCC and JP XIV.