

## TECHNICAL SPECIFICATIONS

### ACID SACCHARIN E - 954

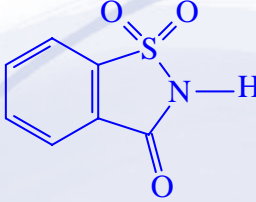
**Product Code :** 2221 (boxes 25 kg); 2223 (drums 50 kg); 2225 (big bags 500 kg); 2227 (big bags 1.000 kg).

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CHARACTERISTIC	SPECIFICATION	METHOD
Formula	C <sub>7</sub> H <sub>5</sub> NO <sub>3</sub> S 	
Chemical name	1,2 Benzisothiazol-3-(2H)-one 1,1-dioxide	
Relative molecular mass	183.2	
Appearance	White or almost white crystals or crystalline powder, odourless.	
Taste	Intensely sweet.	
Appearance of solution	Clear and colourless	Ph. Eur.
Identification	I. R absorption spectrophotometry.	Ph. Eur.
Solubility	Slightly soluble in cold water. Soluble in dilute alkaline solutions.	
Loss on drying	< 1 %	Ph. Eur.
Content	99.0 – 101.0 %	Ph. Eur.

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Sulphated Ash	< 0,2 %.	Ph. Eur.
<sup>(1)</sup> Benzoates and salicylates	Not detectable ( <i>Not limited by Ph. Eur.</i> )	Dir.
<sup>(1)</sup> Heavy metals (as lead)	< 10 ppm ( <i>Ph. Eur. &lt; 20 ppm</i> )	Ph. Eur.
<sup>(1)</sup> Lead	< 1 ppm	ICP-MS.
<sup>(1)</sup> Selenium	< 30 ppm	ICP-MS.
<sup>(1)</sup> Arsenic	< 2 ppm ( <i>Ph. Eur. &lt; 3 ppm</i> )	ICP-MS.
Readily carbonizable substances	Pass the test.	FCC.
p-TSA (toluenesulphonamide)	< 10 ppm	Ph. Eur.
o-TSA (toluenesulphonamide)	< 10 ppm	Ph. Eur.
<sup>(1)</sup> 1,2-benzisothiazolin-3-one (BIT)	< 5 ppm ( <i>Not limited by Ph. Eur.</i> )	PRO.87
<sup>(1)</sup> Methyl anthranilate	< 1 ppm ( <i>Not limited by Ph. Eur.</i> )	PRO.87
<sup>(1)</sup> p-sulphonamidobenzoic acid	< 10 ppm ( <i>Not limited by Ph. Eur.</i> )	PRO.103
<sup>(1)</sup> Organic Volatiles Impurities	Pass the test ( <i>Not limited by Ph. Eur.</i> )	U.S.P.
<sup>(1)</sup> Residual Solvents: Toluene Methanol	< 1 ppm ( <i>Ph. Eur. &lt; 890 ppm</i> ) < 5 ppm ( <i>Ph. Eur. &lt; 3000 ppm</i> )	Ph. Eur.
(1) Microbiology Total aerobic mesophilic bacteria Total coliform bacteria Salmonella spp. Mould and yeast	( <i>Not limited by Ph. Eur.</i> ) < 100 cfu/g Absence / 0.1 g Absence / 25 g < 100 cfu/g	Ph. Eur.
Shelf life	Five years	

<sup>(1)</sup> : *Limit of the European Pharmacopoeia: higher or not mentioned.*

**PURITY** according to Regulation (EU) 231/2012 and amendments and European Pharmacopoeia 7<sup>th</sup> edition, USP 34 – NF 29 (2011) , FCC and JP XIV.

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