



## Specification

Concerning Product:	
Article number	128449JK
Trade name / designation / denomination	Saccharin Na krist. 450 fach 40-80 mesh
CAS number	128-44-9
Other names / synonyms	•1,1-dioxo-1,2-benzothiazol-3-one; •1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt; •Saccharin Natrium anhydrous; •Saccharin Sodium crystalline 450 20-40 mesh; •Saccharin Sodium crystalline 450 40-80 mesh; •Saccharin Sodium powder 500 20-40 mesh; •Saccharin Sodium powder 500 80-150 mesh;
EC number	204-886-1
Customs tariff number / CN code / TARIC	29251100
Molecular weight [g / mol]	183.1845 (anhydrous)
Formula	C <sub>7</sub> H <sub>5</sub> NO <sub>3</sub> S (anhydrous)

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Appearance of solution	clear and colourless	
Appearance	white crystalline powder	
<b>Physical parameter</b>		
Acidity/Alkalinity	complies	
Loss on drying	≤ 15	%
Solubility	Freely soluble in water, sparingly soluble in ethanol (96%)	
<b>Identity</b>		
Assay	99 – 101	%
Identification	A: Melting point 226 – 230	
Identification	B: Infrared absorption spectrophotometry complies	
Identification	C: Derivation to fluorescent substances complies	
Identification	D: Derivation to salicylic acid complies	
Identification	E: Test for Sodium/ Natriumtest complies	
<b>Impurities</b>		
Readily carbonizable substances	absent	
Impurity	Benzoic acid and Salicylic acid: No precipitation, no purple color	%
Impurity	Benzoic acid p-sulphonamide: ≤ 25	mg/kg
<b>Residual Solvents</b>		
Toluene	o-Toluenesulphonamide: ≤ 10	mg/kg
Toluene	p-Toluenesulphonamide: ≤ 10	mg/kg
<b>Elemental Impurities</b>		
Arsenic (As)	≤ 3	ppm
Lead (Pb)	≤ 1	ppm
Selenium (Se)	≤ 30	mg/kg

### Supplemental information:

**Shelf life:** 5 years

**Derivation:** synthetic

**Storage conditions:** Keep in tightly closed original sealed packing in cool, clean and dry place, away from direct sunlight and water

**Packing:** 25 kg boxes or drums with PE-liner

**Regional origin:** KR

**Conclusion:** Complies with the purity criteria for the specified product according to regulation (EU) No 231/2012 as well as with regulation (EC) No 1333/2008. Results and methods as outlined in JECFA description of methods. Further it complies with EP 9.0

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 11. Oct. 2019

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