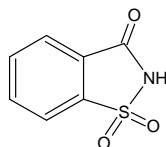


	STANDARD SPECIFICATION	Code No.	JMC-Q-0350
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IDENTIFICATION OF PRODUCT

Chemical Name 1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide
1,2-Benzisothiazolin-3-one 1,1-dioxide

Identification No. CAS: 81-07-2 EINECS: 201-321-0 HS: 2925.11.1000 E No: E954 UN: N/A

STANDARD

Subject	Specification	Analytical Method
Characters		Ph. Eur./USP/JP
Appearance	White, or almost white, crystalline powder or colorless crystals	
Odor	Odorless or has a faint, aromatic odor	
Taste	Intensely sweet taste, even in dilute solution	
Solubility	Sparingly soluble in boiling water and in ethanol (96%), slightly soluble in cold water. It dissolves in dilute solutions of alkali hydroxides and carbonates	
Identification		
Blue litmus paper	Red	Ph. Eur.
Melting point	226 ~ 230 °C	Ph. Eur./USP/JP
Infrared absorption	Passes test	Ph. Eur./USP/JP
Derivation to fluorescent substances	Passes test	Ph. Eur.
Derivation to salicylic acid	Passes test	Ph. Eur.
Appearance of solution		Ph. Eur./USP/JP
Clarity of solution	Clear	
Color of solution	Colorless	
Loss on drying	Not more than 1.0 % w/w	Ph. Eur./USP/JP
Limit of benzoate and salicylate	Passes test	USP/JP
Readily carbonizable substances	Passes test	Ph. Eur./USP/JP
Arsenic	Not more than 2mg/kg	KFDA
Selenium	Not more than 0.003% w/w	FCC/JECFA
Heavy metals (as Pb)	Not more than 0.001% w/w	Ph. Eur./USP/JP
Lead	Not more than 1mg/kg	FCC/JECFA
Residual on ignition(sulfated ash)	Not more than 0.2% w/w	Ph. Eur./USP/JP
Residual solvents	Not Detected	Ph.Eur/USP

	STANDARD SPECIFICATION	Code No.	JMC-Q-0350
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Subject	Specification	Analytical Method
Limit of toluenesulfonamides		
o-Toluenesulfonamide	Not more than 10mg/kg	Ph. Eur./USP/JP
p-Toluenesulfonamide	Not more than 10mg/kg	Ph. Eur./USP
Assay (as dried basis)	99.0~101.0 %	Ph. Eur./USP/JP
p-Sulphamoyl benzoic acid	Not more than 25mg/kg	JECFA
Ammonium salts	Not more than 25mg/kg	Internal Method
Other organic impurities(by GC)		
Methyl benzoate	Not Detected	Internal Method
Methyl anthranilate	Not Detected	Internal Method
Phthalate or their derivatives	Not Detected	Internal Method
Benzamide	Not Detected	Internal Method
2-chlorobenzamide	Not Detected	Internal Method
1,2-benzisothiazoline-3-one	Not Detected	Internal Method
N-methyl saccharin	Not Detected	Internal Method
2-chlorobenzene sulfonamide	Not Detected	Internal Method
Dibutyl phthalate	Not Detected	Internal Method
Microbes		
Total aerobic microbial count	Max. 100 cfu/g	Ph. Eur/USP
Escherichia coli	Absence	Ph. Eur/USP
Total yeast and mold count	Max. 100 cfu/g	Ph. Eur/USP
Staphylococcus aureus	Absence	Ph. Eur/USP
Salmonella	Absence	Ph. Eur/USP
Pseudomonas aeruginosa	Absence	Ph. Eur/USP

※ The above specification and analytical method should be conforms to the Pharmaceutical grade (Ph. Eur., USP/NF, JP, KP etc.) and Food grade (FCC, JECFA, KFSA, etc.).

※ Arsenic/Selenium/Lead/OVI/Microbes results are based on statistics.

※ Free from any allergen, irradiation, pesticides, GMO, BSE/TSE, Gluten, Latex, lactose and CMR.(carcinogenic, mutagenic or reprotoxic)

STORAGE & HANDLING CONDITIONS

- Preserve in well-closed containers.(USP/FCC)
- Store at room temperature.(USP)
- In an airtight container.(Ph. Eur)

PACKAGING

- 25kg Carton box and 50kg Fiber drum with inner Polyethylene bag.
- There are various packaging types according to the customer's requirements.

SHELF LIFE

- The shelf life of this material is five years when stored under the conditions specified above.