

**TIANJIN NORTH FOOD CO., LTD.**

NO. 42 BAOYUAN ROAD, JINNAN DEVELOPMENT ZONE (EAST DISTRICT), TIANJIN, CHINA

**CERTIFICATE OF ANALYSIS**

Product: SODIUM CYCLAMATE NF13

Lot No.: 3240405

Mfg. Date: APR.16, 2024

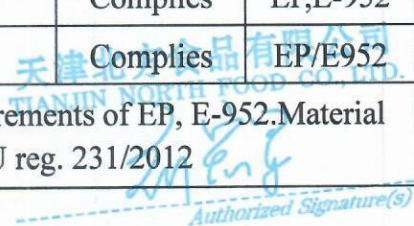
Mesh size: 40-80 mesh

Quantity:27000KGS

Exp. Date: APR.15, 2027

Order No.:300032661

Items	Specifications	Results	Method
Appearance	White or almost white crystalline powder or colourless crystals	Complies	
Appearance of solution	Clear and colourless	Complies	EP
Identification	Meets the requirements	Complies	EP/E952
Purity	98%—102%	99.2%	EP/E952
pH (100g/L)	5.5—7.5	6.4	EP
Loss on drying	<1%	0.1%	EP,E-952
Sulfate (SO <sub>4</sub> )	<500ppm	<500ppm	EP
Heavy metal (as Pb)	<10ppm	<10ppm	EP,E-952
Aniline	<1ppm	<1ppm	E-952
Lead	<1ppm	<1ppm	E-952
Arsenic (As)	<3ppm	<3ppm	E-952
Selenium	<30ppm	<30ppm	E-952
Cyclohexylamine	<10ppm	<10ppm	E-952
Dicyclohexylamine	<1ppm	<1ppm	E-952
Transparency	>95%	99.0%	EP
Impurity A	Meets the requirements	Complies	EP
Impurity B,C,D	B(<1ppm),C(<10ppm),D(<1ppm)	Complies	EP
Absorbance	Meets the requirements	Complies	EP
Solubility in water	Freely soluble	Complies	EP,E-952
Solubility in Ethanol	Slightly soluble	Complies	EP/E952
<b>Conclusion:</b>	The results above meet the requirements of EP, E-952. Material corresponds to EU reg. 231/2012		

  
 Authorized Signature(s)