

CHINA PINGMEI SHENMA GROUP

KAIFENG XINGHUA FINE CHEMICAL CO., LTD.

ZHENGQI ROAD WANGTUN TOWN YUWANGTAI DISTRICT KAIFENG HENAN CHINA

ANALYSIS OF CERTIFICATE

PRODUCT NAME: SODIUM SACCHARIN

DATE: JUNE.12, 2015

MESH SIZE: 20-40 MESH

TOTAL QUANTITY: KGS

PACKING IN 25KG BAG

DATE OF MFG. JUNE.05, 2015

BATCH NO. 15060501

DATE OF EXP. JUNE.04, 2020

MOLECULAR FORMULAR : $C_7H_{12}O_3NSNa \cdot 2H_2O$

MOLECULAR WT. 241.21

ITEMS	STANDARD	RESULTS
Identification	Positive	Complies
Melting point of insolated saccharin °C	228-230°C	227.2-229.8°C
Appearance	White crystals	White crystals
Content %	99.0-101.0%	99.54%
Loss on drying %	≤15%	13.98%
Ammonium salts ppm	≤25ppm	20ppm
Arsenic ppm	≤3ppm	1.0ppm
Benzoate and salicylate	No precipitate or violet color appears	Complies
Heavy metals ppm	≤10ppm	4.1ppm
Pb ppm	≤1ppm	1ppm
Free acid or alkali	Complies with BP/USP/EP	Complies
Readily carbonizable substances	Not more intensely colored than reference	Complies
P-toluene sulfonamide	≤10ppm	7ppm
O-toluene sulfonamide	≤10ppm	7ppm
Selenium ppm	≤30ppm	18ppm
Related substance	Complies with BP/USP/EP	Without
Clarity and color of solution	Color is clear	Complies
Organic volatiles	Complies with BP/USP/EP	Without
PH value	Complies with BP/USP/EP	7.1
Benzoic acid-sulfonamide	≤25ppm	17ppm

DETERMINATION: Complies with BP2000/USP31/EP7.0/E954

SHELF LIFE: 3 Years/MAX 10 Years.

Issued by manufacturer: CHINA PINGMEI SHENMA GROUP KAIFENG XINGHUA FINE CHEMICAL CO. LTD.

Inspector: Hou Xinli