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PRODUCT SPECIFICATION

PRODUCT NAME:PYRROLOQUINOLINE QUINONE DISODIUM SALT

PRODUCT DESCRIPTION:	A stable reddish brown crystalline powder soluble in water, with slight hygroscopicity. It is an essential micronutrient for human body, heart and brain. As a food raw material, it can be used alone or mixed with other raw materials. recommended daily dose: ≤ 20mg		
ITEMS	PARAMETERS	METHODS	RESULTS
SENSORY REQUIREMENTS			
APPEARANCE	CRYSTALLINE POWDER	VISUALIZATION	CONFORMITY
COLOR	REDDISH BROWN	VISUALIZATION	CONFORMITY
PHYSICAL - CHEMICAL REQUIREMENTS			
* IDENTIFICATION	CONSISTENT WITH THE INFRARED SPECTRUM OF THE REFERENCE SUBSTANCE	IR	MATCHES
MOISTURE CONTENT G/100G	NOT MORE THAN 12.0	KARL FISCHERMOISTURE DETERMINATION	REPORT VALUE
CONTENT DETERMINATION (ON DRY BASIS) G/100 G	NOT LESS THAN 98.0	HPLC	REPORT VALUE
HEAVY METAL			
* LEAD (PB) MG/KG	NOT MORE THAN 0.5	GB5009.12	REPORT VALUE
* ARSENIC (AS) MG/KG	NOT MORE THAN 1.0	GB5009.11	REPORT VALUE
* CADMIUM (CD) MG/KG	NOT MORE THAN 0.1	GB5009.15	REPORT VALUE
* MERCURY (HG) MG/KG	NOT MORE THAN 0.1	GB5009.17	REPORT VALUE
RELATED IMPURITIES			
IMPURITY A G/100G	NOT MORE THAN 0.8	HPLC	REPORT VALUE
IMPURITY B G/100G	NOT MORE THAN 0.5	HPLC	REPORT VALUE
MICROBIOLOGICAL REQUIREMENTS			
TOTAL BACTERIAL COUNT	NOT MORE THAN 1000 CFU /G;	GB4789.2	REPORT VALUE
MOLD AND YEAST COUNT	NOT MORE THAN 100 CFU /G;	GB4789.15	REPORT VALUE
COLIFORM GROUP:	NOT MORE THAN 3.0MPN/G;	GB4789.3	REPORT VALUE
* SALMONELLA:	NOT DETECTED/ 25G;	GB4789.4	CONFORMITY
* STAPHYLOCOCCUS AUREUS:	NOT DETECTED/25G	GB4789.10	CONFORMITY
PACKAGING, STORAGE & TRANSPORTATION			
PACKAGING	A regular packaging 1kg/bag. The inner layer is a double-layer medical polyethylene bag, and the outer layer is an aluminum foil bag, which is packed in a full paper barrel.		
STORAGE	SHADING AND SEALED STORAGE		
SHELF LIFE	3 YEARS		

NOTE: IMPURITY A: 3-chloro-4,5-dioxo-4,5-dihydro-1h-pyrrole [2,3-f] quinoline-2,7,9-tricarboxylic acid

IMPURITY B : 4-nitro-5-methoxy-1h-pyrrole [2,3-f] quinoline-2,7,9-tricarboxylic acid

* item refers to regular inspection

