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JOINVILLE(SC), June 23rd, 2023.

CERTIFICATE OF ANALYSIS

INVOICE NO: 088/23

PURCHASE ORDER NO: 1048

IMPORTER:

PRODUCT: Potassium Iodide ACS

SPECIFICATIONS: American Chemical Society (ACS) Eleventh Edition.

MOLECULAR FORM: KI

BATCH NO.		001-001/23
MANUFACTURING DATE		01/JUN /23
EXPIRY DATE		31/MAY /27
QUANTITY (KG)		800,00
TEST	SPECIFICATIONS	RESULTS
Appearance	White crystals/flakes	White crystals
Assay	Min. 99,00%	99,40 %
Iodine	Min. 75,74%	76,05 %
pH of a 5% solution	6,00 - 9,20	6,86
Insoluble matter	Max. 50 ppm	< 50 ppm
Loss on drying	Max. 0,20%	0,02 %
Chloride and bromide (as chloride)	Max. 100 ppm	< 100 ppm
Iodate	Max. 3 ppm	< 3 ppm
Phosphate	Max. 10 ppm	< 10 ppm
Sulfate	Max. 50 ppm	< 50 ppm
Barium	Max. 20 ppm	< 4,76 ppm
Heavy metals	Max. 5 ppm	< 5 ppm
Iron	Max. 3 ppm	< 0,95 ppm
Calcium	Max. 20 ppm	< 9,52 ppm
Magnesium	Max. 10 ppm	< 0,95 ppm
Sodium	Max. 50 ppm	44,15 ppm

Observation: Hygroscopic product. It can become caked.

Analyst
Gervasio Miranda
CRQ 13402618

Technical Responsible
Eng. Harry Weege
CRQ 13300133

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