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Quality Management System certified in
accordance with ISO 9001:2008

Prosyst
PR01413A 1.42

Development, Production, commercialization and
resale of chemicals products.

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JOINVILLE(SC), September 30th , 2021.

CERTIFICATE OF ANALYSIS

INVOICE NO: 181/21

PURCHASE ORDER NO: 1048

PRODUCT: Potassium Iodide ACS

SPECIFICATIONS: American Chemical Society (ACS) Tenth Edition.

MOLECULAR FORM: KI

BATCH NO.		001-020/21
MANUFACTURING DATE		28/SEPT/21
EXPIRY DATE		27/SEPT/25
QUANTITY (KG)		1.000,00
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	6,18
Insoluble matter	Max. 50 ppm	< 50 ppm
Loss on drying	Max. 0,20%	0,12 %
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	< 17,61 ppm

Observation: Hygroscopic product. It can become caked.

Analyst
Maria Eduarda Muraro

Technical Responsible
Eng. Harry Weege
CRQ 13300133

"THIS CERTIFICATE OF ANALYSIS (CoF) IS VALID WITHOUT SIGNATURE. IF ANY MODIFICATIONS ARE MADE IN THIS CoF,
THE CoF WILL BE CONSIDERED UNVALUED."

CEF716/00