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JOINVILLE(SC), June 24th, 2024.

## CERTIFICATE OF ANALYSIS

INVOICE NO: 140/24

PURCHASE ORDER NO: 1142

IMPORTER:

PRODUCT: Potassium Iodide ACS

SPECIFICATIONS: American Chemical Society (ACS) Eleventh Edition.

MOLECULAR FORM: KI

| BATCH NO.                          |                       | 001-001/24     |
|------------------------------------|-----------------------|----------------|
| MANUFACTURING DATE                 |                       | 04/JUN /24     |
| EXPIRY DATE                        |                       | 03/JUN /28     |
| QUANTITY ( KG )                    |                       | 700,00         |
| 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           | 6,73           |
| 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           | < 4,76 ppm     |
| Magnesium                          | Max. 10 ppm           | < 4,76 ppm     |
| Sodium                             | Max. 50 ppm           | 49,51 ppm      |

Observation: Hygroscopic product. It can become caked.

Analyst  
Edilene C. B. Dalfovo  
CRQ 13200940

Technical Responsible  
Eng. Harry Weege  
CRQ 13300133

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