



NIPPON INTERTRADE CO.,LTD.

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CERTIFICATE OF ANALYSIS

PRODUCT NAME: HYDROCHLORIC ACID 35%
SAMPLE NO.: 111/10
LOT NO.: 1814A
MFG DATE: 29 OCT 2025
EXP DATE: 29 OCT 2026

SAMPLING POINT: TANKFARM
APPEARANCE: CLEAR YELLOW LIQUID
CERTIFICATE NO.: T/374/25
TEST DATE: 29/10/2025
REPORT DATE: 29/10/2025

| ITEM | UNIT | SPECIFICATION | TEST METHOD | RESULT |
|--|----------------------|----------------------------------|--|-----------------------|
| SPECIFIC GRAVITY AT 30°C | - | 1.116-1.175 | TIS 217-2556 WIM/CAU/PROD/003/A) | 1.168 |
| CONCENTRATION OF HYDROCHLORIC ACID (HCL) | %(W/W) | 34.50-36.50 | TIS 217-2556 APPENDIX C (WIM/CAU/PROD/003/A) | 34.80 |
| IRON (Fe) | mg/kg ppm. %(W/W) | MAX 4.0 MAX 4.0 MAX 0.0004 | TIS 217-2556 (WIM/CAU/PROD/003/B) | 1.2 1.2 0.00012 |
| FERRIC OXIDE (Fe ₂ O ₃) | Mg/kg | MAX 5.0 | TIS 217-2556 (WIM/CAU/PROD/003/B) | 1.72 |
| IGNITION RESIDUE | %(W/W) | MAX 0.01 | TIS 217-2556 (WIM/CAU/PROD/003/D) | 0.002 |
| TOTAL SULPHATE (as H ₂ SO ₄) | %(W/W) | MAX 0.05 | TIS 217-2556 (WIM/CAU/PROD/003/E) | <0.05 |
| FREE CHLORINE | %(W/W) | MAX 0.02 | (WIM/CAU/PROD/003/C) | 0.0001 |
| TOTAL HEAVY METALS | mg/kg | MAX 1.0 | ICP WIM/CAU/PROD/003/J | 0.32 |
| ARSENIC (As) | mg/kg | MAX 1.0 | ICP WIM/CAU/PROD/003/J | <0.001 |
| MERCURY (Hg) | mg/kg | MAX 0.05 | ICP WIM/CAU/PROD/003/J | <0.001 |
| LEAD (Pb) | mg/kg | MAX 0.09 | ICP WIM/CAU/PROD/003/J | <0.001 |

THIS IS TO CERTIFY THAT WE, THE UNDERSIGNED, HAVE INSPECTED THE QUALITY OF THE ABOVE METIONED GOODS AND FOUND THE RESULT OFINSPECTON AS FOLLOWS: