

PREMIUM INGREDIENT CO.,LTD

Dongsheng Rd, Tianan Cyber park, High tech industrial development zone,
Jiangyin City, Jiangsu Province, China

CERTIFICATE OF ANALYSIS

| | | | |
|------------------------------------|--------------------|---|------------------|
| Product Name | | ASCORBIC ACID | |
| Analysis Standard | | BP/USP/FCC/EP/E300 | |
| Batch No. | | Sample | |
| Shelf Life | | 3 Years | |
| Net/Gross Weight per package | | 25.0kgs/26.3kgs | |
| | | | |
| Analysis Contents | | Analysis Standard | Analysis Results |
| Characteristics | | White or almost White crystals Crystalline Powder | Pass |
| Solubility | | Easily soluble in water | Pass |
| Identification | | Positive Reaction | Positive |
| Melting Point | | About 190℃ | 190.6 ℃ |
| PH (with 2% water solution) | | 2.4-2.8 | 2.46 |
| PH (with 5% water solution) | | 2.1-2.6 | 2.38 |
| Clarity Of Solution | | Clear | Clear |
| Colour Of Solution | | ≤BY ₇ | <BY ₇ |
| Copper | | ≤5ppm | <5ppm |
| Heavy Metals | | ≤10ppm | <10ppm |
| Mercury | | ≤0.1mg/kg | <0.1mg/kg |
| Lead | | ≤2mg/kg | <2mg/kg |
| Arsenic | | ≤3ppm | <3ppm |
| Iron | | ≤2ppm | <2ppm |
| Cadmium (Cd) | | <1mg/kg | <1mg/kg |
| Related Substances | Impurity C | 0.15% max | <0.15% |
| | Impurity D | 0.15% max | <0.15% |
| | Unknown Impurities | 0.1% max | <0.1% |
| | Total | 0.2% max | <0.2% |
| Impurity E (Oxalic Acid) | | ≤0.2% | <0.2% |
| Loss on Drying | | ≤0.4% | <0.4% |
| Sulphate Ash (Residue On Ignition) | | ≤0.1% | <0.1% |
| Specific Optical Rotation | | +20.5° - +21.5° | 21.08° |
| Residual Solvents(Methanol) | | ≤3000ppm | <3000ppm |
| Assay | | 99.0%-100.5% | 99.72% |
| Conclusion | | The Above-Mentioned Product Conforms To BP/USP/FCC/EP/E300 | |