

Specification Sheet

Product Name
2,4,6-Tris(2-pyridyl)-s-triazine for spectrophotometric det. of Fe, ≥99.0% (HPLC)

Product Number
93285

Product Brand
SIAL

CAS Number
3682-35-7

Molecular Weight
312.33

TEST

SPECIFICATION

APPEARANCE (COLOR)White to Faint Yellow and Faint Beige

APPEARANCE (FORM)Powder or Crystals

PURITY (HPLC AREA %)≥ 99.0 %

MELTING POINT248 - 251 C

SOLUBILITY (COLOR)Green-Yellow to Very Dark Green-Yellow to Very Dark Brown

TEST	SPECIFICATION
SOLUBILITY (TURBIDITY)	Clear to Slightly Hazy
SOLUBILITY (METHOD)	1G IN 10ML METHANOL
LOSS ON DRYING	≤ 0.1 %
CARBON CONTENT	69.22 % (THEORY)
HYDROGEN CONTENT	3.87 % (THEORY)
NITROGEN CONTENT	26.91 % (THEORY)
INFRARED SPECTRUM	CONFORMS TO STRUCTURE
APPLICATION TEST	SUITABLE FOR THE DETERMINATION OF Fe(II)
METAL TRACE ANALYSIS (ICP)	CORRESPONDS TO REQUIREMENTS
CALCIUM (ICP)	≤ 10 mg/kg
CADMIUM (ICP)	≤ 5 mg/kg

TEST	SPECIFICATION
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COBALT (ICP)	≤ 5 mg/kg
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CHROMIUM (ICP)	≤ 5 mg/kg
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COPPER (ICP)	≤ 5 mg/kg
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IRON (ICP)	≤ 5 mg/kg
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POTASSIUM (ICP)	≤ 50 mg/kg
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MAGNESIUM (ICP)	≤ 5 mg/kg
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MANGANESE (ICP)	≤ 5 mg/kg
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SODIUM (ICP)	≤ 100 mg/kg
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NICKEL (ICP)	≤ 5 mg/kg
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LEAD (ICP)	≤ 5 mg/kg
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ZINC (ICP)	≤ 5 mg/kg
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TEST

SPECIFICATION

RECOMMENDED RETEST PERIOD

28 MONTHS
