

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : 1-(2-Pyridylazo)-2-Naphthol (PAN) AR

Catalog Number : T-8027

Batch Number : 8027 -00000000

CAS Number : 85-85-8

Molecular Weight : 249.27 g/mol

 Mol. Formula : C₁₅H₁₁N₃O

Expire Date : 60 months



No	Test	Specifications	Results
1	Appearance	Orange-red to brick red to reddish-brown or brown crystalline powder	complies
2	Identification (FTIR)	conforms	conforms
3	Assay	min 98.0 %	99.92%
4	Melting point	136 - 141 °C	138.2 °C
5	Absorption maximum (λ max in ethanol)	461 - 465	464
6	Spec. Absorptivity (A1%/1 cm λ max ethanol)	670 - 720	678
7	Suitability as a complexometric indicator	passes test	complies
8	Sensitivity to copper	passes test	complies

Corresponds to AR/ACS Grade. PAN is a metal indicator for complexometric titrations, especially transition metal ions, working through the color change of the metal-indicator complex when EDTA reaches the equivalence point

LABOTIQ Standard of Product Reference to Analar standard and ACS specification



SUDIRO S.Si.
Manager QC