

# PAVANSUT INDUSTRIES

Mfg of pharmaceutical intermediate

## Certificate of Analysis

Product : TCN

Chemical Name: 2-Nitro-4-Thiocyano Aniline

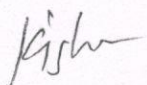
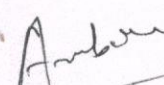
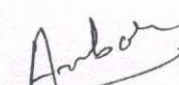
Batch No. : 33

Batch Qty-800 Kgs

Mfg. Date: 18/04/2022

Date of Analysis: 22/04/2022

S. No.	Test	Specification	Method
1.	Description	A yellow coloured crystalline powder.	yellow coloured crystalline powder.
2.	Identification ( By GC )	The retention time of the major peak in the chromatogram of the sample corresponds to the major peak in the chromatogram of the standard.	Complies
3.	Solubility	Clear solution obtained in ethyl acetate without sedimentation.	Complies
4.	Chromatographic Purity ( By GC )	NLT 98.0 %	99.40
	Related substances ( o - Nitro Aniline )	NMT 0.50 %	0.20
	Any individual impurities	NMT 0.20 %	0.13
	Total impurities	NMT 3.0 %	1.20
5.	pH (2% aq. soln.)	4.5 - 7.0	6.0
6.	Methanol Content (By GC)	NMT 0.05 %	0.002 %

Prepared By	Checked By	Approved By
		
QC Chemist	QC Executive	QC Incharge

PAVANSUT INDUSTRIES  
GPO, Durgam Cheruvu, Hyderabad



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## Certificate of Analysis

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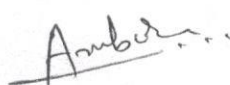
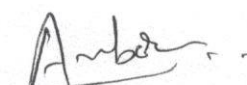
Batch No.: 34

Batch Qty-800 Kgs

Mfg. Date: 19/04/2022

Date of Analysis: 22/04/2022

S. No.	Test	Specification	Method
1.	Description	A yellow coloured crystalline powder.	yellow coloured crystalline powder.
2.	Identification ( By GC )	The retention time of the major peak in the chromatogram of the sample corresponds to the major peak in the chromatogram of the standard.	Complies
3.	Solubility	Clear solution obtained in ethyl acetate without sedimentation.	Complies
4.	Chromatographic Purity ( By GC )	NLT 98.0 %	99.60
	Related substances ( o - Nitro Aniline )	NMT 0.50 %	0.21
	Any individual impurities	NMT 0.20 %	0.15
	Total impurities	NMT 3.0 %	1.19
5.	pH (2% aq. soln.)	4.5 - 7.0	6.0
6.	Methanol Content (By GC)	NMT 0.05 %	0.002 %

Prepared By	Checked By	Approved By
		
QC Chemist	QC Executive	QC Incharge

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Product : TCN

Chemical Name: 2-Nitro-4-Thiocyano Aniline

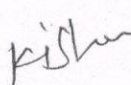
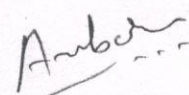
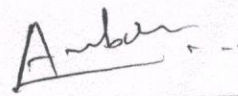
Batch No. : 35

Batch Qty-400 Kgs

Mfg. Date: 20/04/2022

Date of Analysis: 22/04/2022

S. No.	Test	Specification	Method
1.	Description	A yellow coloured crystalline powder.	yellow coloured crystalline powder.
2.	Identification ( By GC )	The retention time of the major peak in the chromatogram of the sample corresponds to the major peak in the chromatogram of the standard.	Complies
3.	Solubility	Clear solution obtained in ethyl acetate without sedimentation.	Complies
4.	Chromatographic Purity ( By GC )	NLT 98.0 %	99.50
	Related substances ( o - Nitro Aniline )	NMT 0.50 %	0.20
	Any individual impurities	NMT 0.20 %	0.23
	Total impurities	NMT 3.0 %	1.14
5.	pH (2% aq. soln.)	4.5 - 7.0	6.1
6.	Methanol Content (By GC)	NMT 0.05 %	0.002 %

Prepared By	Checked By	Approved By
		
QC Chemist	QC Executive	QC Incharge

PAVANSUT INDUSTRIES

Opp. Bisara Vitrified, Sr. 1827&1828,