



An ISO 9001:2015
Certified Company

Speciality Products Research Group

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Ref. No.: SRG/TDS/2NDPA/2015

Rev. No.: 00

TECHNICAL DATA SHEET

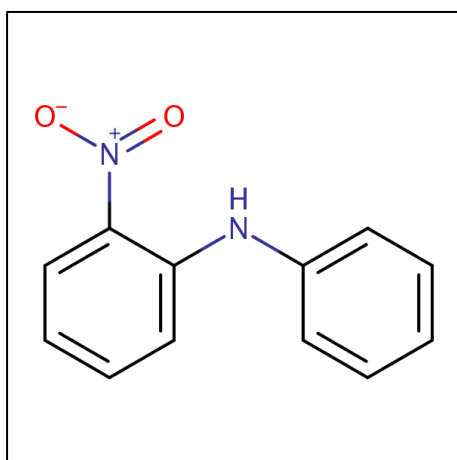
2-NITRODIPHENYLAMINE (2-NDPA) As per MIL-N-3399B dated May 14, 1962

Used as a Propellant Stabilizer for NC-Based Propellants since Nitrocellulose (NC) based propellants are inherently unstable and degrade in time. 2-NDPA acts as an antioxidant and stabilizer in Double based NC propellant type

CAS No:	119-75-5
Synonyms:	Para Nitrodiphenylamine
Molecular Formula:	C ₁₂ H ₁₀ N ₂ O ₂
Avg Mass:	214.224 g/mol
IUPAC Name:	2-Nitro-N-phenylaniline

SPECIFICATION FOR 2-NDPA As per MIL-N-3399B dated May 14, 1962

Sr. No.	Properties	Specification Limits
1	Foreign Material	None
2	Solidification Point, °C	73.0 min
3	Purity, %	97.5 min
4	Volatile Matter, %	0.6 max
5	Insoluble Material in 95% Ethyl Alcohol, %	0.2, max
6	Ash, %	0.1, max
7	pH	5.0 – 7.0
8	Acidity, %	0.003, max



2-NITRO-
DIPHENYLANILINE
(2NDPA)
CAS NO : 119-75-5

For Speciality Products Research Group

Proprietor

