

	LEONID CHEMICALS PVT. LTD.				
	FINE CHEMICAL				
Department: Quality Control		Document No: LCPL/QSD/QAD/11		SOP No.: SOP/QC/11-H052	
SPECIFICATION : HYDRAZINE HYDRATE AR					
Issue date	16/04/2018	Review date	15/04/2023	Location	All Units
Version No.:	00	Supersedes	--	Page No	1 of 1

#### PRODUCT DETAILS

1	Molecular Formula	$\text{NH}_2\text{NH}_2 \cdot \text{H}_2\text{O}$	
2	Product code	H051	
3	Molecular weight	50.06	$\text{NH}_2\text{NH}_2 \cdot \text{H}_2\text{O}$
4	CAS No	7803-57-8	
5	Risk Statement No	23/24/25-34-43-45-50/53	
6	Safety Statement No	45-53-60-61	
7	UN No.	UN2030	

#### PACKING DETAILS

	Product code	Pack size
1	H05130	500mL
2	H05132	2.5L

#### PRODUCT SPECIFICATION

SL. No.	TEST PARAMETERS	LIMITS
1	Description	Clear colourless liquid with a strong ammonical odour.
2	Assay	Not less than 80.0%
3	$\text{N}_2\text{H}_4$ content	Not less than 51.2%
4	Distillation range	Between 115°C and 119°C
5	pH (1% aqueous solution)	Not less than 10.5
6	Colour	Not more than 10 Hz
7	Water insoluble matter	Not more than 0.005%
8	Ammonia ( $\text{NH}_3$ )	Not more than 0.3%
9	Ash	Not more than 0.003%
10	Residue on evaporation	Not more than 0.01%
11	Copper (Cu)	Not more than 0.0005%
12	Iron (Fe)	Not more than 0.0005%
13	Chloride (Cl)	Not more than 0.0005%
14	Silicate ( $\text{SiO}_2$ )	Not more than 0.0005%
15	Sulphate ( $\text{SO}_4$ )	Not more than 0.0005%

#### SAFETY SYMBOLS



Harmful / Irritant



Corrosive