

PDFMitra - FINAL Normality (n-factor) MASTER TABLE

Type	Compound	Formula	n-factor	Basis
Acid	Hydrochloric acid	HCl	1	1 H ⁺
Acid	Nitric acid	HNO ₃	1	1 H ⁺
Acid	Acetic acid	CH ₃ COOH	1	1 H ⁺
Acid	Formic acid	HCOOH	1	1 H ⁺
Acid	Sulfuric acid	H ₂ SO ₄	2	2 H ⁺
Acid	Sulfurous acid	H ₂ SO ₃	2	2 H ⁺
Acid	Carbonic acid	H ₂ CO ₃	2	2 H ⁺
Acid	Oxalic acid	H ₂ C ₂ O ₄	2	2 H ⁺
Acid	Phosphoric acid	H ₃ PO ₄	3	3 H ⁺
Acid	Phosphorous acid	H ₃ PO ₃	2	2 H ⁺
Acid	Hypophosphorous acid	H ₃ PO ₂	1	1 H ⁺
Acid	Boric acid	H ₃ BO ₃	1	Indirect
Acid	Hydrofluoric acid	HF	1	1 H ⁺
Base	Sodium hydroxide	NaOH	1	1 OH ⁻
Base	Potassium hydroxide	KOH	1	1 OH ⁻
Base	Calcium hydroxide	Ca(OH) ₂	2	2 OH ⁻
Base	Magnesium hydroxide	Mg(OH) ₂	2	2 OH ⁻
Base	Barium hydroxide	Ba(OH) ₂	2	2 OH ⁻
Base	Aluminium hydroxide	Al(OH) ₃	3	3 OH ⁻
Base	Ferric hydroxide	Fe(OH) ₃	3	3 OH ⁻
Base	Ammonium hydroxide	NH ₄ OH	1	1 OH ⁻
Salt	Sodium carbonate	Na ₂ CO ₃	2	CO ₃ 2 ⁻
Salt	Sodium bicarbonate	NaHCO ₃	1	HCO ₃ ⁻
Salt	Calcium carbonate	CaCO ₃	2	CO ₃ 2 ⁻
Salt	Ammonium chloride	NH ₄ Cl	1	NH ₄ ⁺
Salt	Sodium sulfate	Na ₂ SO ₄	2	SO ₄ 2 ⁻
Salt	Potassium sulfate	K ₂ SO ₄	2	SO ₄ 2 ⁻
Redox	KMnO ₄ acidic	KMnO ₄	5	Mn ⁷⁺ to Mn ²⁺
Redox	KMnO ₄ neutral	KMnO ₄	3	Mn ⁷⁺ to Mn ⁴⁺
Redox	KMnO ₄ basic	KMnO ₄	1	Mn ⁷⁺ to Mn ⁶⁺
Redox	K ₂ Cr ₂ O ₇	K ₂ Cr ₂ O ₇	6	Cr ⁶⁺ to Cr ³⁺
Redox	Hydrogen peroxide	H ₂ O ₂	2	electron
Redox	Ferrous sulfate	FeSO ₄	1	Fe ²⁺ to Fe ³⁺

Redox	Ferric chloride	FeCl ₃	1	Fe ³⁺ to Fe ²⁺
Redox	Oxalate ion	C ₂ O ₄ ²⁻	2	electron
Redox	Thiosulfate ion	S ₂ O ₃ ²⁻	2	electron

FINAL EXAM TRICKS:

1. Acid: Sirf O-H wale H count karo
2. Base: OH⁻ count karo
3. Salt: Charge dekho (CO₃²⁻ = 2)
4. Redox: Electron transfer
5. Important: H₃PO₃ = 2, H₃PO₂ = 1, KMnO₄ = 3 cases