

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED**CIN: U21009KA2023PTC179006****Registered address:** L73, Attic Space, 15th Cross Road, HSR Layout,
Bangalore Urban- 560102, Karnataka, India.**Email:** info@scimplify.com**Website:** www.scimplify.com**TECHNICAL DATA SHEET**

Product Name	Yttrium Oxide
Chemical Formula	Y ₂ O ₃
Description	White Powder

Sl. No.	Test Parameters	Specifications			
		Grade A	Grade AT	Grade B	Grade C
A.	Chemical				
1.	Loss on Ignition (L.O.I.) ¹ , % (max.)	1	1	1.5	1
2.	Total Rare Earth Oxides (TREO), % (min.)	99	99	98.5	99
3.	Y ₂ O ₃ /TREO, % (min.)	99.9	99.9	99.9	99.95
4.	Al, % (max.)	0.005	0.005	0.005	0.005
5.	Ca, % (max.)	0.003	0.003	0.003	0.003
6.	Fe, % (max.)	0.005	0.005	0.005	0.005
B.	Physical				
1.	Specific Surface Area ² , m ² /g	4.0 – 9.0	1.0 – 7.0	4.0 – 12.0	10.0 – 16.0
2.	Particle Size Distribution				
	D 90 %, µm	4.0 – 9.0	4.0 – 9.0	2.0 – 4.0	1.0 – 2.0
	D 50 %, µm	1.5 – 3.0	1.5 – 3.0	0.9 – 1.7	0.6 – 0.9
	D 10 %, µm	0.6 – 1.5	0.6 – 1.5	0.3 – 0.6	0.2 – 0.5

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Name	Karthik V Suvarna	Rahul Kshirsagar	Rohit K Choudhary
Date	09/05/2026	09/05/2026	09/05/2026
Sign	<u>Karthik Suvarna</u> Karthik Suvarna (May 9, 2026 13:20:26 GMT+5.5)	<u>Rahul K</u> Rahul K (May 9, 2026 14:10:46 GMT+5.5)	<u>Rohit Choudhary</u> Rohit Choudhary (May 9, 2026 14:38:50 GMT+5.5)

*** This Document has been reviewed and approved by electronic signature.**