

## ANNEXURE TO TENDER NO. DPS/MRPU/1/2/2783

### Chemical for Synthesis:

Sl No.	Chemical Name	Quantity	Specification	Brand
1	Acetic acid	5L	Glacial, ReagentPlus®, ≥99%	Sigma-Aldrich/ Merck
2	Ammonium metavanadate	250g	ACS reagent, ≥99.0%	Sigma-Aldrich/ Merck
3	Ammonium molybdatetetrahydrate	100g	ACS reagent, 81.0-83.0% MoO <sub>3</sub> basis	Sigma-Aldrich/ Merck
4	Ammonium sulphate	500 g	ACS reagent, ≥99.0%,	Sigma-Aldrich/ Merck
5	Sodium molybdatedihydrate	100g	ACS reagent, ≥99.0%	Sigma-Aldrich/ Merck
6	Cadmium acetate dihydrate	100g	Reagent grade, 98%,	Sigma-Aldrich/ Merck
7	Cadmium nitrate tetrahydrate	100g	AR grade, 98%	Sigma-Aldrich/ Merck
8	Cadmium chloride	100g	ACS reagent, ≥99.0%	Sigma-Aldrich/ Merck
9	Cadmium carbonate	100g	AR grade, 98%	Sigma-Aldrich/ Merck
10	Indium nitrate hydrate	50g	99.9% trace metals basis	Sigma-Aldrich/ Merck
11	Indium chloride	50g	AR grade, 98%	Sigma-Aldrich/ Merck
12	Sodium dichromate	500g	ACS reagent, ≥99.5%	Sigma-Aldrich/ Merck
13	Cysteine	100g	Purity≥97%	Sigma-Aldrich/ Merck
14	Melamine	1kg	Purity≥99%	Sigma-Aldrich/ Merck
15	Polyvinyl alcohol	1kg	Mowiol® 4-88 Mw ~31,000	Sigma-Aldrich/ Merck
16	Ethanol amine	500ml	ACS reagent, ≥99.0%	Sigma-Aldrich/ Merck
17	Glycerol	1L	ACS reagent, ≥99.5%	Sigma-Aldrich/ Merck
18	Dithylene glycol	1L	ReagentPlus®, 99%,	Sigma-Aldrich/ Merck
19	Diethyl ether	1L	ACS reagent, ≥99.0%, BHT as inhibitor	Sigma-Aldrich/ Merck
20	Potassium iodide	100g	ACS reagent, ≥99.0%	Sigma-Aldrich/ Merck
21	Antimony (III) sulphate	50g	Purity≥95.0%	Sigma-Aldrich/ Merck
22	Antimony(III) oxide	1kg	ReagentPlus®, 99%,	Sigma-Aldrich/ Merck

23	Antimony (III) Acetate	100g	99.99% trace metal basis	Sigma-Aldrich/ Merck
24	Antimony fluoride	25g	Purity≥99%	Sigma-Aldrich/ Merck
25	CTAB	500 g	Purity≥99%	Sigma-Aldrich/ Merck
26	TitronX-100	500 ml	Laboratory Grade	Sigma-Aldrich/ Merck
27	Tantalum chloride	100g	Purity≥99%	Sigma-Aldrich/ Merck
28	Tantalum Oxide	25g	60 mesh, 99.5%	Sigma-Aldrich/ Merck
29	Tungsten(VI) oxychloride	25g	Purity≥98%	Sigma-Aldrich/ Merck
30	Tungsten(VI) chloride	25g	Purity≥95%	Sigma-Aldrich/ Merck
31	Tungstic acid	100g	Purity≥99%	Sigma-Aldrich/ Merck