

SYARIKAT SAINTIFIK JAYA

NO 69 Jalan Penerbit U1/43,
Temasya Industrial Park Glenmarie 40150 Shah Alam

Tel : 603- 5569 0758/0759

HP : 018 274 0955

Fax : 603- 5569 0763

Email : info@saintifikjaya.com

HIGH ALUMINA LABWARE



- ❖ We offer the widest range of high alumina lab wares to satisfy your needs in testing, analysis and research.
- ❖ The High Alumina Lab wares are made from 99.8% pure aluminum oxide. Highly resistant to chemical attack, these wares are especially useful to chemist, material scientist, metallurgists and others who are involved in high temperature work.
- ❖ These wares are meant for use in oxidizing, reducing, hydrogen and carbonaceous atmospheres.
- ❖ These wares are also suitable for use in glass melting especially borosilicate glass.

SPECIAL FEATURES OF CRUCIBLES, BOATS, COMBUSTION TRAYS AND PLATES ARE AS FOLLOWS:-

- ❖ Extreme Purity
- ❖ High resistance to corrosion
- ❖ Good thermal conductivity
- ❖ Stability in oxidizing and reducing atmosphere
- ❖ Ultra high vacuum resistance
- ❖ Stability at high temperatures
- ❖ Exceptional surface finish



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<https://sites.google.com/view/syarikatsaintifikjaya>

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HIGH ALUMINA PROPERTIES

Principal Constituents	:	99.8% alumina
Maximum Use Temperature (No Load)	:	1800°C
Thermal Expansion Co-efficient (25 to 1000 C	:	8.0 x 10 ⁻⁶ /C
Compressive Strength	:	>300,000 psi
Specific Gravity	:	3.9 (Typical)
Hardness on Rockwell 45N scale	:	79
on Moh scale	:	9
Permeability	:	Gas Tight
Water Absorption	:	None
Thermal Shock	:	Temp. Change rate not to exceed 150 C/hr

ALUMINA CYLINDRICAL CRUCIBLE

Cat. No	Capacity (ml)	Diameter (mm)	Height (mm)
Crucy A5	5	17	45
Crucy A10	10	27	27
Crucy A15	15	28	40
Crucy A20	20	31	40
Crucy A30	30	35	46
Crucy A50	50	41	55
Crucy A100	100	39	91
Crucy A125	125		
Crucy A150	150	54	91
Crucy A225	225	66	83
Crucy A250	250	80	70
Crucy A450	450	83	103
Crucy A750	750	83	210
Crucy A1000	1000	99	167
Crucy A1500	1500	105	194
Crucy A2500	2500	127	235



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ALUMINA CONICAL CRUCIBLE

Cat. No	Capacity (ml)	Top Dia. (mm)	Bottom Dia. (mm)	Height (mm)
CruCon A5	5	27	19	35
CruCon A20	20	33	23	44
CruCon A30	30	47	29	44
CruCon A50	50	46	33	53
CruCon A100	100	64	33	85
CruCon A300	300	91	45	82
CruCon A500	500	90	58	128
CruCon A700	700	120	70	115



ALUMINA HIGH FORM CRUCIBLE

Cat. No	Capacity (ml)	Top Dia. (mm)	Bottom Dia. (mm)	Height (mm)
CruHF A5	5	23	12	28
CruHF A10	10	29	18	31
CruHF A20	20	40	25	35
CruHF A50	50	51	30	47
CruHF A100	100	61	35	61
CruHF A250	250	79	39	93



ALUMINA DISC / LID

Cat. No	Diameter (mm)	Thickness (mm)
Cov16	16	3
Cov25	25	3
Cov28	28	3
Cov32	32	3
Cov38	38	3
Cov48	48	3
Cov58	58	3
Cov75	75	3
Cov90	90	3



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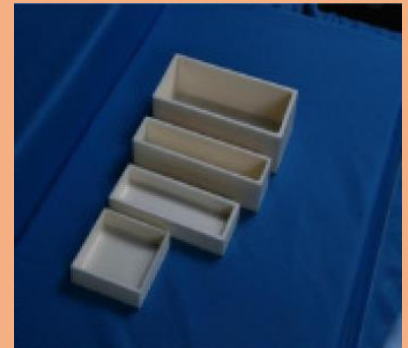
Fax : 603- 5569 0763

Email : info@saintifikjaya.com

Cov100	100	3
Cov125	125	3
Cov150	150	3

ALUMINA TRAY

Cat. No	Capacity (ml)	Length (mm)	Width (mm)	Height (mm)
Tray A5	5	50	25	10
Tray A10	10	50	25	18
Tray B10	10	95	25	10
Tray C10	10	50	50	15
Tray A15	15	88	35	12
Tray A25	25	95	25	20
Tray A30	30	50	50	22
Tray A100	100	100	50	27
Tray A130	130	150	65	19
Tray A140	140	92	50	40
Tray A225	225	129	47	40
Tray A340	340	200	90	25
Tray A1000	1000	250	160	40
Tray A2250	2250	250	250	50



ALUMINA PLATE / COVER

Cat. No	Length (mm)	Width (mm)	Thickness (mm)
Plate 1	55	55	4
Plate 2	58	33	4
Plate 3	80	29	4
Plate 4	99	32	4
Plate 5	105	20	4



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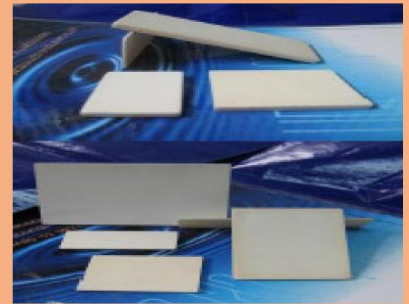
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Plate 6	105	55	4
Plate 7	260	90	4



ALUMINA DISH

Cat. No	Capacity (ml)	Diameter (mm)	Height (mm)
Dish A10	10	40	10
Dish A20	20	50	12
Dish A40	40	60	20
Dish A100	100	75	30



ALUMINA BOAT

Cat. No	Capacity (ml)	Length (mm)	Width (mm)	Height (mm)
Boat A3	3	90	12	11
Boat A15	15	108	20	17
Boat A30	30	116	12	19
Boat A40	40	137	27	21



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ALUMINA LOW FORM CRUCIBLE

Cat. No	Capacity (ml)	Top Dia. (mm)	Bottom Dia. (mm)	Height (mm)
CruLFA25	25	43	22	37
CruLFA80	80	65	33	55
CruLFA175	175	87	70	54
CruLFA225	225	96	46	58



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