

# Specification Sheet

## ALUMINUM OXIDE Crucibles

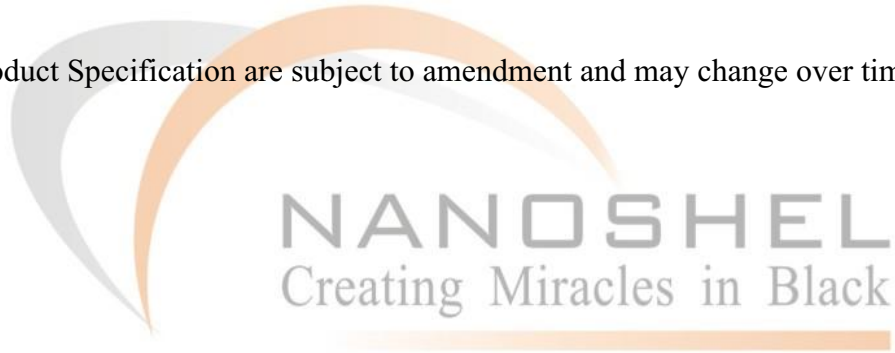
(Available Sizes 5ml – 100ml)

Stock No: NS6130-10-1017, CAS: 1344-28-1

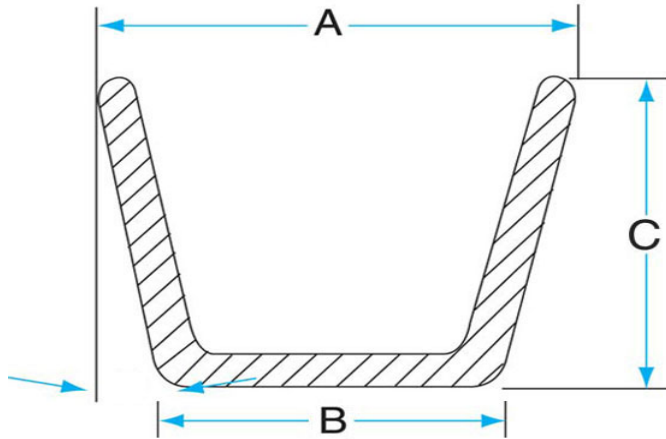
<b>Product</b>	:	<b>Aluminum Oxide Crucible</b>
Stock No.	:	NS6130-10-1017
Purity	:	>99.9%
Capacity	:	5ml
Density	:	3.90 g/cm <sup>3</sup>
Melting Point	:	2072 °C
Boiling Point	:	2977 °C
Hardness	:	17.1 GPa
Thermal Conductivity	:	30 W/m•K
Bending Strength	:	> 350 Mpa
Compressive Strength	:	2200 Mpa
Dielectric Strength	:	15×10 <sup>6</sup> V/m
Max Service Temp	:	1800 °C
Lid	:	Available In All Sizes (Get Quote)
NS6130-10-1017 (A)	:	Capacity: 5ml, Top Dia: 25mm (0.98in), Bottom Dia: 15mm (0.59in), Height: 28mm (1.1in)
NS6130-10-1017 (B)	:	Capacity: 10ml, Top Dia: 29mm (1.14in), Bottom Dia: 18mm (0.71in), Height: 34mm (1.34in)
NS6130-10-1017 (C)	:	Capacity: 20ml, Top Dia: 35mm (1.38in), Bottom Dia: 24mm (0.94in), Height: 42mm (1.65in)

NS6130-10-1017 (E)	:	(1.18in), Height: 54mm (2.05in) Capacity: 100ml, Top Dia: 48mm (1.89in), Bottom Dia: 36mm (1.38in), Height: 68mm (2.68in)
NS6130-10-1017 (F)	:	Capacity: 150ml, Top Dia: 66mm (2.6in), Bottom Dia: 40mm (1.57in), Height: 80mm (3.15in)
NS6130-10-1017 (G)	:	Capacity: 250ml, Top Dia: 79mm (3.11in), Bottom Dia: 42mm (1.65in), Height: 93mm (3.66in)
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

**Note:** Product Specification are subject to amendment and may change over time



## Characterization of ALUMINUM OXIDE Crucibles



Metal Crucible Line Diagram



**NANOSHEL**  
Creating Miracles in Black