

## CERTIFICATE OF ANALYSIS

M/S

**DATE ISSUED:**

**INVOICE NO.:**

<b>PRODUCT:</b>	Para Phenylene Diamine
<b>MOLECULAR FORMULA:</b>	C <sub>6</sub> H <sub>8</sub> N <sub>2</sub>
<b>APPEARANCE:</b>	White Flake
<b>CAS:</b>	106-50-3
<b>MOL. WT.:</b>	108.1

Property	Units	Standard	Lot No.				
			P121228D-3	P121230D-3	P121231D-3	P130101D-3	P121228D-3
<b><i>purity</i></b>	%	≥99.90	99.99	99.99	99.99	99.98	99.99
<b><i>Melting Point</i></b>	°C	≥138.0	139.36	139.36	139.36	139.35	139.36
<b><i>MPD</i></b>	/mg/kg	500	ND	ND	ND	ND	ND
<b><i>OPD</i></b>	/mg/kg		42	58	66	68	42
<b><i>P-Chloroaniline</i></b>	/mg/kg	50	2	2	ND	2	2

**Packing:** 25kg Fiber Drum

**OTHER INFORMATION:** Soluble in water, alcohol, and ether. Sensitive to air, moisture, and/or elevated temperatures and the presence of any of these conditions with tend to hasten color deterioration.