



Specifications of Ferrocene

Product name	Ferrocene		
Purity (HPLC), % w/w $\geq \pm 1$	99.00	99.50	99.90
Appearance	Powder	Crystals	Crystals
Fe Content, % w/w $\geq \pm 1$	30.10	30.10	30.10
Free Iron (ppm) % w/w $\leq \pm 1$	200max.	100max.	70max.
Toluene-insoluble matter % w/w $\leq \pm 1$	0.30	0.15	0.10
Water content, % \geq , w/w	0.50	0.10	0.10
CAS No.	102-54-5		
Molecular Weight	186.04		
Molecular Formula	$\text{Fe}(\text{C}^5\text{H}^5)_2$		
Decomposition Temperature	465 deg °C		
Boiling Point	249 deg °C @ 760.00mm Hg		
Melting Point	172.0-174.0 deg °C min.		
Flash Point	Not available		
Boiling Point	249 deg °C @ 760.00mm Hg		
Odor	Camphor		
Vapor Pressure	0.05 mbar @ 40		
Vapor Density	Not available		
Solubility in water	Insoluble		
Specific Gravity@ 16°C	Not available		
Auto ignition temperature	465°C min.		