

Shu Powders Africa PTY. LTD  
 Logra Industrial Park, No.40 Track 94040, Harrison Flats  
 Old Main Road, Cato Ridge, KwaZulu Natal 3680 South Africa  
 Postnet Suite 10015, Private Bag X7005, Hillcrest, 3650

Vat No: 4150236521 CK No: 2007/000865/07

## SUB MICRON COBALT POWDER

SHU CODE	REVISION	DATE
SMS	4	Aug 21, 2012

<p><b>Physical and chemical data:</b></p> <ul style="list-style-type: none"> <li>◇ Appearance : grey powder</li> <li>◇ Atomic weight : 58.93</li> <li>◇ Atomic number : 27</li> <li>◇ Insoluble in water</li> <li>◇ Soluble in acids</li> </ul> <p><b>Packing:</b></p> <ul style="list-style-type: none"> <li>◇ Steel drums, with inner bag, palletized</li> <li>◇ standard packaging               <ul style="list-style-type: none"> <li>100 Kg net</li> </ul> </li> <li>◇ optional packaging               <ul style="list-style-type: none"> <li>25 Kg net</li> <li>50 Kg net</li> <li>150 Kg net</li> </ul> </li> <li>◇ Strip on Drum - Yellow</li> </ul> <p><b>Material Safety Data Sheet:</b></p> <ul style="list-style-type: none"> <li>◇ Available upon request.</li> </ul>	<b>Chemical Analysis</b>	
	Co% Main content	≥99.85 - ≥99.99
	Element	Typical Unit (%)
	Al	0.002
	Ca	0.002
	C	0.040
	Cu	0.002
	Cr	0.002
	Fe	0.002
	Mg	0.002
	Mn	0.002
	Na	0.003
	Ni	0.003
	Si	0.003
	Zn	0.002
	S	0.003
	Oxygen	0.5 – 0.6
	<b>Physical Analysis</b>	
	FSSS	0.7 – 0.9 µm
	Apparent Density	0.6 - 1.0 g/cc
Scott Density	0.6 - 1.0 g/cc	
Tap Density	1.7- 2.2 g/cc	