

## Technical Data Sheet Walnut Shell Powder

<b>PHYSICAL PROPERTIES</b>	
APPEARANCE	Granular or Powder
COLOR	Brown or Light Brown
FLASH POINT	193°C (380°F)
CHARRING TEMPERATURE	243°C (470°F)
SPECIFIC GRAVITY	1.2-1.4
HARDNESS	MOH 2.5-4
PH AT 25°C IN NEUTRAL WATER	4-6
FREE MOISTURE (80°C FOR 15 HRS)	3-9%
OIL CONTENT	0.25%
VOLUMETRIC WEIGHT	850kg/m <sup>3</sup>
OIL REMOVAL RATE	65%
WARE RATE	≤1.5%
DILATABILITY	0.5%
SOLUBILITY	Insoluble
PARTICLE SHAPE	Irregular
<b>CHEMICAL ANALYSIS</b>	
NITROGEN	0.10%
CELLULOSE	40-60%
LIGNIN	20-30%
TOLUENE SOLUBILITY	0.5-1.0%
METHOXYL	6.5%
CHLORINE	0.10%
ASH	1.5%
CUTIN	1.0%
CALCIUM	0.50%
MAGNESIUM	0.03%
COPPER	1.31%
SODIUM	0.02%
FERRUM	0.02%
MANGANESE	0.09%
KALIUM	0.03%
ZINC	0.05%