



Walnut Shell Products

**WALNUT SHELL COSMETIC-GRADE**

Exfoliation ▪ Scrubs ▪ Soaps ▪ Body Washes ▪ Personal Care Products ▪ Microbead Replacement

**TYPICAL PROPERTIES**

APPEARANCE	Brown, granular
FLASH POINT	380° F
CHARRING TEMPERATURE	470° F
SPECIFIC GRAVITY	1.2 - 1.4
HARDNESS	MOH 3.5 ▪ Rockwell 91 ▪ Brinell 190
PH AT 25°C in neutral H <sub>2</sub> O	4-6
FREE MOISTURE 80°C 15 Hrs	3-11%
DRY PACKING DENSITY	22 - 53 lbs./cu. ft.

**CHEMICAL ANALYSIS**

NITROGEN	0.10%
CELLULOSE	40 - 60%
LIGNIN	20 - 30%
TOLUENE SOLUBILITY	0.5 - 1.0%
CHLORINE	.10%
ASH	1.5%
CUTIN	1.0%
NITROGEN	0.10%

**STANDARD SIEVE SPECIFICATIONS (% THROUGH SCREEN)**

PRODUCT U.S. Screen	AD-7B 35/60	AD-9B 40/100	AD-10.5B 60/200
#20 MESH	99% (min)		
#30 MESH		99.9% (min)	
#35 MESH	88% (min)		
#40 MESH		90% (min)	99.9% (min)
#50 MESH			
#60 MESH	15% (max)		80% (min)
#100 MESH	1% (max)	10% (max)	
#200 MESH		2% (max)	10% (max)

**PACKAGING**

50 lb. Bags ▪ Pallets (40 bags per pallet) ▪ Supersacks (2,000 lbs.) ▪ Small & Large Drums

