



Walnut Shell Products

COSMETIC-GRADE WALNUT SHELL

Walnut Shell products are all-natural, biodegradable ingredients widely used in the Cosmetics Industry.

COSMETIC APPLICATIONS

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

COSMETIC-GRADE STANDARD SIZES

35/60 ▪ 40/100 ▪ 60/200 ▪ WF-2 #100 ▪ WF-5 #200 ▪ WF-7 #325

COSMETIC INDUSTRY SERVICES

Sterilization ▪ Special Packaging ▪ Custom Sizes

TYPICAL PROPERTIES

APPEARANCE	Granular
COLOR	Brown
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 WATER	4-6
FREE MOISTURE (80°C FOR 15 HRS)	3-9%
DRY PACKING DENSITY	22-74 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%

PACKAGING

50 lb. Paper Bags ▪ Fiber Drums (55 lbs. or 220 lbs.) ▪ Supersacks (2,000 lbs.)

