



## Specification Sheet

### **PNJ Jojoba Beads 28/60**

PNJ Jojoba Beads are micro spheres made with Pure Natural Jojoba (PNJ) esters. PNJ Jojoba Beads 28/60 have a particle size range of 250 microns to 600 microns (#60 to #28 USA Standard Testing Sieve). They are available in standard as well as custom colors.

INCI Name: Jojoba Esters	CAS No.: 61789-91-1
Botanical Origin: Simmondsia Chinensis (Jojoba) Seed Oil	EINECS No.: 296-292-4
	JCIC No.: 520591

Specifications at time of packaging:

<u>Property</u>	<u>Specification Range</u>	<u>Method</u>
Appearance:	Free flowing microspheres	Visual
Color:	Blue, Red, Green, Yellow, and Custom colors	Visual
Melting Point:	67 – 71 °C	Capillary slip point

Particle Size, (USA Standard Testing Sieve, ASTM E-11 Spec.):

Retained on #28 sieve (600 microns):	10% max. by weight
Retained on #60 sieve (250 microns):	85% min. by weight
Pass through #60 sieve (250 microns):	10% max. by weight

**Additives:**

<u>Pigment</u>	<u>CAS#</u>	<u>Cl#</u>	<u>Pigment</u>	<u>CAS#</u>	<u>Cl#</u>
Red #30	2379-74-0	73360	Iron oxide red	1309-37-1	77491
Yellow #5 Alum. Lake	12225-21-7	19140:1	Iron oxide yellow	1309-37-1	77492
Hydrated chromium oxide	12001-99-9	77289	Iron oxide black	1309-37-1	77499
Blue #1 Alum. Lake	68921-42-6	42090:2	Ultramarine Blue	1317-97-1	77007
Chromium oxide green		77288	Ferric ammonium ferrocyanide.	14038-43-8	77510

**Shelf Life:** 2 years from date of shipping when kept in original unopened container and stored at or below 35°C.

**Storage:** Store in cool dry place. Protect from direct sunlight.

**Recommended Use:** PNJ Jojoba Beads may be used in formulation from 1% to 15% depending on desired visual effect and aggressiveness of exfoliation. PNJ Jojoba Beads are ideal for bath and body gels, scrubs, and polishes. They are 100% biodegradable. NOTE: Some colors may be unstable in low pH solutions or when exposed to concentrated chemicals such as acids, alkali, and surfactants. We strongly recommend bench testing for color stability with your formula.