Figure 1: Proppant Test Data - 20/40 RCP -C2403

(Color Code is based on Variance from Sample Received Data)

Quick Chek ✓			ISO 13503-2	20/40 RCP -C2403
Turbidity (NTU)			≤ 250	10
Krumbein Shape Factors				
Roundness			≥ 0.7	0.9
Sphericity			≥ 0.7	0.9
Clusters (%)			≤ 1.0	0
Bulk Density (g/cc)				1.76
Bulk Density (lb/ft^3)				110.08
Specific Gravity				3.05
Particle Size Distribution, mm		Mesh size		
	1.180	16	≤ 0.1	0.0
	1.000	18		0.0
	0.850	20		0.0
	0.710	25		9.5
	0.600	30		76.4
	0.500	35		13.5
	0.425	40		0.4
	0.300	50		0.1
	<0.300	Pan	≤ 1.0	0.0
		Total		100.0
		% In Size	≥ 90	99.9
Mean Particle Diameter, mm				0.651
Median Particle Diameter (MPD), mm				0.646
Solubility in12/3 HCL/HF for 0.5 HR @ 150°F (% Weight Loss)			≤ 7.0	1.3
Settling Rate (ft/min)				93.06
Crush Chek✓				
ISO Crush Analysis (% Fines) 4lb/ft2@ 15,000 psi			≤ 10	0.8
Unconfined Compressive Strength, PSI, 250°F, 24 hour shut in, 1000 psi closure, 2% KCL				219
Res Chek ✓				
% Loss on Ignition (Resin Content)				2.52
Coating Efficiency				100
pH of Water Extract				
	Initial pH			8.53
	mL NaOH to pH 9			1.00
	mL NaOH to pH 10			5.10
	mL NaOH to pH 11			11.60

Meets ISO 13503-2/API 19C standards

Fails ISO 13503-2/API 19C standards

Figure 2: Particle Distribution Graph

20/40 RCP -C2403

Median : 0.646 mm Mean : 0.651 mm

Mesh Size (mm)	Sieve #	20/40 RCP -C2403
1.180	16	0.0
1.000	18	0.0
0.850	20	0.0
0.710	25	9.5
0.600	30	76.4
0.500	35	13.5
0.425	40	0.4
0.300	50	0.1
<0.300	Pan	0.0