

CHEMICAL COMPOSITION (ASTM A563M)

Property Class of Nut	Composition, %				
	Analysis	Carbon	Manganese, min	Phosphorus, max	Sulfur, max
5, 9, 8S	heat product	0.55 max	...	0.04	0.15 ^A
		0.58 max	...	0.048	...
10 ^B , 10S	heat product	0.55 max	0.3	0.04	0.05
		0.58 max	0.27	0.048	0.058
12 ^B	heat product	0.20-0.55	0.6	0.04	0.05
		0.18-0.58	0.57	0.048	0.058
8S3, 10S3	See Table 2				

^A For Classes 5 and 9, a sulfur content of 0.23% max. is acceptable with the purchasers approval.

^B For Classes 10 and 12, a sulfur content of 0.15% max. is acceptable provided the manganese is 1.35% min.