

# Clear Creek Advisory

## Buyer Quality Specification

**Synthetic Buyer Specification – Demonstration Purposes Only**

Document ID: CCA-BSPEC-DEMO-2026

Issue Date: May 24, 2026

Buyer: Demo Buyer – Met Coal Procurement (Synthetic)

Coal Type: Low-Volatile Metallurgical Coal

Product Grade: Premium LV PCI / Blast Furnace Blend Component

Delivery Basis: FOB mine / loadout — demonstration package only

---

### Quality Requirements Summary

The following metallurgical coal quality limits apply to this synthetic demonstration buyer specification. CoalSense uses documents like this for side-by-side COA comparison and commercial risk screening.

## Met Coal Quality Specification

Parameter	Requirement	Basis	Notes
Ash	Max 8.0%	adb	Rejection or penalty above contract
Sulfur	Max 0.70%	adb	Sulfur deduction schedule applies
Total Moisture	Max 7.0%	arb	—
Volatile Matter	20% – 24%	adb	—
CSR (Coke Strength Reaction)	Min 62	ISO 18894	—
CRI (Coke Reactivity Index)	Max 25	ISO 18894	—
rSI (Free Swelling Index)	Min 8	ASTM D720	—
HGI (Hardgrove Grindability)	55 – 75	ASTM D409	—
Phosphorus	Max 0.060%	adb	Steel-making chemistry constraint
Size	0 x 50 mm	Nominal top	Standard crushed met coal sizing

### Commercial Notes

- Quality determined on composite shipment sample unless otherwise agreed in writing.
- Certificates of Analysis must identify laboratory, sample ID, basis, and test methods.
- Off-spec ash, sulfur, or phosphorus may trigger price adjustment or rejection per contract schedule.
- CSR, CRI, and FSI results must be from an accredited laboratory using recognized ISO/ASTM methods.
- This demonstration document is for CoalSense review workflow examples only.

### Disclaimer

This synthetic buyer specification is provided for CoalSense demonstration purposes only. It does not represent a live contract, buyer requirement, or enforceable commercial term. Clear Creek Advisory provides commercial and coal-quality screening — not legal advice or contract drafting.