

AVAILABLE LABORATORY TESTS

CODE	Description	Method
RT - 1	Preparation of Castables - Castables are mixed according to appropriate instructions and cast into molds.	ASTM C 862
RT - 2	Firing of Refractory Samples - Samples are fired to appropriate temperatures	ASTM C 865
RT-7A	Bulk Density - Granular Materials	REBL
RT-17	X-Ray Diffraction	
RT-21	Chemical Analysis	Registered Assayer
RT-22A	Resistance to Corrosion to Cryolitic Slags	
RT-24	Scanning Electron Microscope (SEM)	
RT-25	Loss on Ignition	
RT-26	Moisture Content	
RT-27	Thermal Conductivity - REBL	REBL
RT-28	Thermal Expansion and Creep	ASTM C832
RT-29	Maximum Service Temperature	
RT-34	Hot Load	ASTM C16
RT-35	Hot Modulus of Rupture	ASTM C583
RT-37	Efflorescence Test on Facebrick	
RT-6	Apparent Porosity, Apparent Specific Gravity, Bulk Density	ASTM C 20
RT-7	Size and Bulk Density	ASTM C 134
RT-8	Sieve Analysis and Moisture Content	ASTM C 92
RT-9	Abrasion Resistance of Refractory Materials	ASTM C 704
RT-10	Cold Crushing Strength – Refractory Brick	ASTM C 133
RT-10A	Cold Crushing Strength – Insulating Brick	ASTM C 133
RT-11	Modulus of Rupture – Refractory Brick	ASTM C 133
RT-12	Reheat Change of Refractories	ASTM C 113
RT-13	Thermal Conductivity	---
RT-17	X-Ray Diffraction	---
RT-19	Density and Linear Change	ASTM C 113 C 134
RT-20	Modulus of Rupture (MOR)	ASTM C 133
RT-21	Chemical Analysis	---
RT-22A	Resistance to Corrosion to Cryolitic Slags - Cup test on refractory materials	---
RT-22B	Resistance to Corrosion to Cryolitic Slags - Carbon crucible test on granular materials	---
RT-23	Resistance to Corrosion of Refractories - Specify type of slag	---
RT-24	Scanning Electron Microscope (SEM) - Surface scanning and elemental analysis	---
RT-25	Loss on Ignition	---
RE-32	Consultation on Special Projects	---
RE-33	On-site Inspection and Sampling	---
RE-36	CAD Technical Drawings	---