

Sample no.	Rex 71Y						
	Abundance	Distribution & Remarks	Size (ovoids) or thickness (laminae) in mm	Mineralogy	Abundance	Size (mm)	Shape
Matrix	52%	Fine grained. Consists mainly of pseudospar. Hematite inclusions occur in the braunite and are very finely intergrown with the braunite.		Braunite	xxxx	0.002	Anhedral
				Pseudospar [Kutnahorite and mangano-calcite]	xxx	0.001-0.002	Anhedral
				Hematite	xx	0.001-0.002	Anhedral
Ovoids	20%	Evenly; Ellipsoidal ovoids are zoned with an orange to red coloured pseudospar [Kutnahorite and mangano-calcite] core and a rim of black pseudospar [mangano-calcite]. Some ovoids have a core of microscopically intergrown todorokite and cryptomelane and a rim of pseudospar [Calcite and mangano-calcite]. Ovoids have mineral inclusions.	0.65x0.3 0.65x0.25	Braunite	x	0.002	Anhedral
				Pseudospar [Kutnahorite, calcite and mangano-calcite]	xxxx	0.01	Anhedral
				Hausmannite	x	<0.001	Anhedral
				Todorokite	xx	0.001-0.002	Anhedral
				Cryptomelane	xx	0.001-0.002	Anhedral
Laminae and lenses	10%	Unevenly; Finely laminated and consist mainly of pseudospar and have mineral inclusions. The apatite inclusions are found in the hausmannite in the laminae.	0.3	Braunite	x	0.001-0.003	Anhedral
		Thicker microspar to pseudospar lenses are also present.	0.55	Pseudospar [Kutnahorite and mangano-calcite]	xxxx		
				Microspar to pseudospar [Kutnahorite and mangano-calcite]	xxxx	0.005-0.02	Anhedral
				Hematite	x	0.002	Subhedral
Other	3%	Finely laminated with continuous laminae and thicker lenses and small ovoids.					
		Cross-cutting veins	0.05	Pseudospar [Kutnahorite and calcite]	xxxx	0.01	Anhedral
			0.015	Cryptomelane	xxxx	0.008	Needles
	15%	Porosity	0.005-0.01				

xxxx - Dominant (>50%); xxx - Major (20-50%); xx - Minor (5-20%); x - Trace (<5%)