

| Sample no. | Rex 16Y | | | | | | |
|---------------------------|-----------|--|---|-----------------------------|-----------|-------------|-----------|
| | Abundance | Distribution & Remarks | Size (voids) or thickness (laminae) in mm | Mineralogy | Abundance | Size (mm) | Shape |
| Matrix | 68% | Very fine grained; Braunite and hematite are microscopically intergrown in some instances. | | Braunite | xxxx | 0.003 | Anhedral |
| | | | | Micrite [Kutnahorite] | xxx | 0.0035 | Anhedral |
| | | | | Hematite | x | 0.001-0.002 | Subhedral |
| | | | | R.Hematite | x | 0.012 | Subhedral |
| | | | | Hausmannite | x | 0.004 | Euhedral |
| Ovoids | 10% | Unevenly; Ovoids of small size are zoned with an micrite [kutnahorite] core and a rim of hausmannite. Ovoids show replacement by hausmannite. Ovoids have mineral inclusions. | 0.55x0.25 0.1x0.4 1.8x0.8 | Braunite | x | 0.002 | Anhedral |
| | | | | Micrite [Kutnahorite] | xxxx | 0.0035 | Anhedral |
| | | | | Hematite | x | 0.004 | Anhedral |
| | | | | Hausmannite | x | 0.002 | Anhedral |
| Laminae and lenses | 5% | Unevenly; Finely laminated and consist mainly of micrite [kutnahorite] and and have mineral inclusions. The laminae are zoned with a hausmannite, braunite and micrite rim and a core of micrite. The laminae have mineral inclusions. | 0.1-0.45 | Braunite | x | 0.0019 | Euhedral |
| | 10% | A few lenses are also present. | 0.1 | Micrite [Kutnahorite] | xxxx | 0.0035 | Anhedral |
| | | | | Hausmannite | xx | 0.0022 | Euhedral |
| Other | | Finely laminated with continuous laminae and lenses. | | | | | |
| | 3% | Cross-cutting microspar veins with a todorokite rim. | 0.001 | Microspar [Mangano-calcite] | xxxx | 0.006 | Anhedral |
| | 2% | Stylolites | | Hausmannite | xxxx | | |
| | 2% | Accretions with a lens-like shape. | | Micrite [Kutnahorite] | xxxx | 0.0035 | Anhedral |

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