

ISO 23664:2021-10 (E)

Traceability of rare earths in the supply chain from mine to separated products

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Planning a traceability system	5
4.1	General	5
4.2	Documented information	5
4.3	Counterparties	5
4.4	Unique identifier (UI)	5
5	Operation of traceability system	6
5.1	General	6
5.2	Primary producer	6
5.3	Mass balance	6
5.4	Identification	6
5.5	Blending and mixing	7
5.6	Recycled rare earth material	7
5.7	Transactions	7
5.7.1	General	7
5.7.2	Transaction information	7
6	Information transmitted with shipments between adjacent nodes	8
6.1	Mine	8
6.2	Beneficiation plant	10
6.3	Hydrometallurgical plant	11
6.4	Trader	13
6.5	Separation plant	14
7	Performance evaluation	16
8	Improvement	16
8.1	General	16
8.2	Nonconformity and corrective actions	16
Bibliography		17