

ISO/ASTM TS 52930:2021-11 (E)

Additive manufacturing - Qualification principles - Installation, operation and performance (IQ/OQ/PQ) of PBF-LB equipment

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Abbreviated terms	2
5	General concepts	3
5.1	General	3
5.2	Preliminary considerations	4
6	Elements of process validation	4
6.1	General	4
6.2	Installation qualification (IQ)	5
6.2.1	General	5
6.2.2	Specific considerations for installation qualification	5
6.3	Operational qualification (OQ)	8
6.3.1	General	8
6.3.2	Specific considerations for operational qualification	9
6.4	Performance qualification (PQ)	11
6.4.1	General	11
6.4.2	Specific considerations for performance qualification	11
6.4.3	Deterioration of products	13
7	Revalidation	13
Annex A (normative) Process capability evaluation (Statistical process control)		15
Bibliography		19