

DIN 8777:2021-02 (E)

Brewhouse plants - Minimum specifications

	Contents	Page
Foreword		4
1 Scope		5
2 Normative references		5
3 Terms and definitions		6
4 Minimum specifications for brewhouse plants		8
5 Project workflow for brewhouse plants		8
5.1 General		8
5.2 Planning		8
5.3 Delivery		8
5.4 Assembly		8
5.5 Commissioning		8
5.6 Employee training		9
5.7 Start of production		9
5.8 Acceptance test		9
5.9 Acceptance test certificate		9
5.10 Acceptance		9
6 Performance and evaluation of the acceptance test		9
6.1 General		9
6.2 Notes regarding the acceptance test		9
6.3 Results of the acceptance test		10
6.4 Internal and external acceptance		11
6.5 Assessment of analysis values		11
6.6 Impairment of the acceptance test due to external circumstances		11
7 Assessment of the extract production		12
8 Specifications for design and cleaning		12
A.1 Local basic data at the limit of delivery		14
A.2 General design data		16
A.3 Production processes		17
A.4 Special specifications for control brews		17
A.5 Specifications for raw materials		19
A.6 Analytical examinations (standard values for the use of 100 % barley malt)		20
A.7 Machinery and process specifications		23
C.1 System description		31
C.2 Key figures		31
C.3 Reference process		32
C.4 Boundary parameters		32
C.5 Measuring point list for recording consumption data		32
C.5.1 General		32
C.5.2 Thermal energy		33
C.5.3 Electrical energy		33
C.5.4 Water		33
C.5.5 Compressed air (pneumatic system)		33

C.5.6	Individual consumptions CIP	34
C.5.7	Individual consumptions for the transport of spent grains	34
	Bibliography	35