

EUROPEAN BREWERY CONVENTION
18th STANDARD MALT
Issued by the Analysis Committee-November 2011

The 18th Standard Malt has been accepted after analysis by the Analysis Committee of the European Brewery Convention. The malt can be used for checking the results of test methods described in Analytica-EBC or for calibration of apparatus (e.g. Friabilimeter) or other methods (flow injection, near infrared reflectance etc.).

To place an order:

The requested purchase order with complete addresses of invoicing and delivery and phone and telecopy numbers are to be sent to:

IFBM

Pôle Technologique de Nancy-Brabois
7, rue du Bois-de-la-Champelle
B.P. 267
F 54512 VANDOEUVRE CEDEX
FRANCE

☎ : +33 (0)3 83 44 88 00

Telecopy: +33 (0)3 83 44 12 90

e-mail : christophe.rampont@ifbm-qualtech.com


Price:

Price per can (~625 g net weight): 20, 00 Euro excluding transport and documents charges (IFBM is using TNT as carrier for foreigner customers)

Terms of payment:

Payment by bank transfer has to be made to IFBM upon receipt of standard malt and/or invoice. Potential banking charges will be charged back to the customer. Advance payment is required in the case of using a carrier other than TNT and selected by the customer.

IFBM bank details are:

							
RELEVÉ D'IDENTITÉ BANCAIRE							
Identifiant national de compte bancaire - RIB							
Banque	Guichet	N° compte	Cle	Devise	Domiciliation		
30087	33680	00010948001	18	EUR	CAE NANCY		
Identifiant international de compte bancaire							
IBAN (International Bank Account Number)		BIC (Bank Identifier Code)					
FR76	3008	7336	8000	0109	4800	118	CMCIFRPP
Domiciliation		Titulaire du compte (Account Owner)					
CAE NANCY		INST FCAIS BOISSON BRAS MALTERIE					
4 PLACE ANDRE MAGINOT		7 RUE DU BOIS DE LA CHAMPELLE					
54074 NANCY CEDEX		54500 VANDOEUVRE LES NANCY					
Tél : 03 83 34 55 05							
Remettez ce relevé à tout organisme ayant besoin de connaître vos références bancaires pour la domiciliation de vos virements ou de prélèvements à votre compte. Vous éviterez ainsi des erreurs ou des retards d'exécution.		PARTIE RESERVEE AU DESTINATAIRE DU RELEVÉ					

Shipment:

The standard malt is usually sent to the foreigner customer within 15 days following the receipt of the complete purchase order and by using TNT carrier in DAP (town of delivery) incoterms 2010.

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		EBC Method	n	Reference value	Tolerance ±	Repeatability r ₉₅	Reproducibility R ₉₅
Moisture	%	4.2	30	4, 3	0, 23	0, 17	0, 34
Total Nitrogen	% dm	4.3.1	30	1, 70	0, 039	0, 042	0, 062
Extract Fine grind	% dm	4.5.1	30	81,8	0, 47	0, 36	0, 71
Wort colour spectro	EBC units	4.7.1	19	3, 5	0, 68	0, 29	0, 98
Wort colour visual	EBC units	4.7.2	28	3, 2	0, 42	0, 37	0, 64*
Wort viscosity	mPa.s	4.8	29	1, 49	0, 034	0, 022	0, 050
Wort soluble N	mg/l	4.9.1	30	736	29, 5	25, 3	45, 5
Wort soluble N	% dm	4.9.1	30	0, 66	0, 026	0, 023	0, 040
Kolbach Index	%	4.9.1	30	39	1, 6	2, 3	2, 7
Wort FAN	mg/l	4.10	27	137	14, 7	6, 1	21, 2
Wort FAN	% dm	4.10	27	0, 12	0, 013	0, 006	0, 019
Fermentability	%	4.11.1	19	80, 8	2, 78	0, 83	3, 97
Diastatic Power	WK/dm	4.12	20	304	30, 9	19, 1	45, 7
α-Amylase	DU/dm	4.13	11	42	6, 7	3, 2	9, 8
Modification	%	4.14	17	94	4, 8	4, 7	7, 6
Homogeneity	%	4.14	18	76	10, 3	12, 5	17, 0
Friability [#]	%	4.15	5 [#]	88, 5 [#]	1, 17 [#]	2, 01 [#]	2, 18 [#]
Glassy Corns [#]	%	4.15	5 [#]	0, 4 [#]	0, 34 [#]	0, 50 [#]	0, 60 [#]
Partly Unmod. Grains [#]	%	4.15	5 [#]	1, 0 [#]	0, 85 [#]	0, 81 [#]	1, 33 [#]
Total β-Glucan fluo.	mg/l	8.13.2	30	178	53, 9	33, 4	79, 9
Wort pH		8.17	30	5, 97	0, 074	0, 039	0, 108
Boiled Wort colour	EBC units	4.19	24	4, 9	0, 70	0, 29	1, 01

Note

Because of the risk of uptake of water and change of values once the can has been opened an immediate use is recommended.

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Results are shown on the opposite table.

The repeatability value for wort colour visual by comparator (*) is given as an indication because repeatability cannot be estimated in the case of an interval basis measurement.

The figures of Friability[#], Glassy Corns[#] and Partly Unmodified Grains[#] are based on the Friabilimeter Calibration Network (FCN).

For each method, the following values were calculated:

- reference value
- tolerance (95% confidence level)
- repeatability (95% confidence level)

This table should be used as follows to check duplicate results obtained when analyzing the malt:

- 1 – the difference between duplicates should be less than r_{95}
- 2 – the mean result should lie within the range: reference value \pm tolerance

For example, the measurement of Total Nitrogen % dry matter, the difference between duplicates should not exceed 0,042 % d.m and the mean value should be $1,700 \pm 0,039$, that is between 1,661 and 1,739 % d.m.