



Holland.Malt

your quality in our hands

Certificate of analysis

Analysis no. 050-0000105108
Analysis date 31-8-2023
Customer Selected Brewing Ingredients BV
Consignee Selected Brewing Ingredients BV
Maltings Lieshout
Booking no. 2008
Our ref.no. 0040011505 - 3362190
Batchcode 0000297995
Delivery date 1-9-2023
Malt type Pilsnaut
Quantity 24000 kg
Vessel
Origin The Netherlands
Crop year 2022
Production date August-23
Expiry date ^a March-25

	Min	Result	Max		Method
Moisture		4,4	4,5	%	EBC 4.2
Extract (dry)	81,5	82,2		%	EBC 4.5.1
Difference fine/coarse		0,9	2,0	%	EBC 4.5.1 / 2 (lautertun)
pH	5,80	6,03		-	
Protein	9,5	9,8	11,5	%	EBC 4.3.1
Soluble nitrogen in malt	600	634	700	mg/100gr	EBC 4.9.1
Kolbach	37,0	40,8	43,0	%	EBC 4.9.1
Color		4,4	4,5	EBC	EBC 4.7.2
Color after boiling		5,7	6,5	EBC	MEBAK 4.1.4.2.9
Lautering time		26	45	min	EBC 4.5.1
Viscosity		1,49	1,55	cP	MEBAK 4.1.4.4.3
Saccharification time		9	15	min	EBC 4.5.1
Friability	85,0	86,7		%	EBC 4.15
PUG		2,6	4,0	%	
Glassy kernels		1,0	2,0	%	EBC 4.15
β-glucans		159	200	mg/l	
Grading (> 2,5 mm)	90,0			%	EBC 4.22
Rejects (<2.2 mm)			1,5	%	EBC 4.22 (Juni 2005)

^a Stores should be suitable for foodstuffs, dry, moderate ambient temperature and protected from contamination with birds, insects and vermin. Care should be taken during handling and use to avoid abrasion which might cause dust or disperse dust into the air

* Maximum levels of nitrosamine, residues of pesticides, heavy metals and mycotoxins are in accordance with the existing EC Directives.

* All products of Holland Malt are fully traceable and thus in accordance with Directives 2002/178/EC and 2004/1935/EC

HOLLAND MALT B.V.