



# Certificate of Analysis

Pauls Malt Ltd  
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**Jewers Grain Ltd**  
New Granaries  
Elmswell Road  
Woolpit IP30 9RH  
United Kingdom

Analysis Number: 195142.BP.40150 2067263  
Customer Order: 21007408  
Customer Ref.:  
Contract Number:

Date Shipped: 10-05-2022  
Quantity: 29.000 MT

## Pale Whale

Lot/SN: 195142.BP.40150

Test Identification	TestValue	UM	Preferred MinValue	Preferred MaxValue
IOB Extract 0.7mm as is basis	300.7	L deg/kg		
IOB Extract 0.7mm dry basis	312.6	L deg/kg	306.0	
IOB Extract 0.2mm as is basis	303.3	L deg/kg		
IOB Extract 0.2mm dry basis	315.3	L deg/kg	311.0	
IOB Fine Coarse Difference 0.2	2.7	L deg/kg		5.0
IOB Saccharification Time	10	min.		
Moisture	3.8	%	3.0	4.0
IOB Colour in Wort	6.0	EBC	4.0	7.0
Total Nitrogen dry basis	1.51	%		1.60
IOB Total Soluble Nitrogen dry	0.65	%		
IOB Soluble Nitrogen Ratio	43.0	%	39.0	43.0
Alpha Amylase dry basis	57	DU		
Diastatic Power as is	71	°IOB		
IOB Viscosity	1.47	c.		
IOB Wort pH	5.94	units		
IOB B-Glucan in Wort	82	mg/l		120
Partly Unmodified Grains	1.8	%		
Friability	92.7	%	90.0	
Homogeneity	98.2	%	98.0	
IOB FAN 1040	163	mg/l	140	180
Dust	0	%		0.5
Screenings Through 2.0 mm	0.2	%		0.5

<b>Test Identification</b>	<b>TestValue</b>	<b>UM</b>	<b>Preferred MinValue</b>	<b>Preferred MaxValue</b>
Screenings Through 2.2 mm	0.7	%		2.0
n Nitrosodimethylamine	1.1	ppb		2.5