



# CERTIFICATE OF ANALYSIS - BAL19DMB00111

**From:**

Williamson & Tudor Street  
Delacombe VIC 3356  
Ph 03 6424 1502 x 2311 Fx: 03 5335 5799

**To:**

BINTANI AUSTRALIA  
PO BOX 2069  
HAMPTON EAST VIC 3188

**Spec:** BINTANI SIGNATURE PILSNER  
MALT

**Lot:** BAL19DMB00111 - WOID: 1780247

**Destination:** AU

**2nd ref.:** 4383619 | 10

**Sales Order:** 4383619

**Req. qt.:** 6 mt

**Customer PO:** 9786 - Bintani Melbourne

**Manufacturing date:** 2018-09-02

**Expiration date:** 2020-09-02

**Comments:** 4

**Workorders:** 1780247

Delivered lot information			Spec		
Analysis	Unit	Value	Min	Max	Info
Moisture <sup>(1)</sup>	%	4.0		4.5	
Extract Fine Grind-As Is, Congress <sup>(1)</sup>	%	78.7			
Extract Fine Grind-Dry Basis, Congress <sup>(1)</sup>	%	82.0	80.5		
Saccharification time, minutes, Congress <sup>(1)</sup>	min	10		10	
Colour of Wort, Congress <sup>(1)</sup>	EBC	3.5	3.0	4.0	
Diastatic Power, Dry Basis <sup>(1)</sup>	°WK	335	300		
Total Protein, Dry Basis <sup>(1)</sup>	%	10.9	9.5	11.5	
Soluble Protein, Dry Basis, Congress <sup>(1)</sup>	%	4.57			
Kolbach Index, Congress <sup>(1)</sup>	%	41.9	38.0	44.0	
Hartong 45 <sup>(1)</sup>	%	39.8	38.0	45.0	
AAL, Congress <sup>(1)</sup>	%	82.9	81.0	84.0	
Free Amino Nitrogen <sup>(1)</sup>	mg/l	165			
Friability <sup>(1)</sup>	%	90.6	85.0		
Screenings > 2.5 mm <sup>(1)</sup>	%	96.9	90.0		
Screenings < 2.2 mm <sup>(1)</sup>	%	0.2		1.5	
Viscosity, Congress <sup>(1)</sup>	mPas	1.53		1.58	
Wort Beta Glucan, Congress <sup>(1)</sup>	mg/l	148		150	
DMS Precursor <sup>(1)</sup>	ug/g	2.1		5.0	

(1) The result for this parameter is the calculated weighted averages of the analyses results of the composites in the delivered malt lot

(2) The result for this parameter has not been tested on the delivered malt lot and represents a value or range normally found in this material

**Calculated raw material information**

<b>Variety:</b>	Latrobe
<b>% :</b>	100 %