



CERTIFICATE OF ANALYSIS - BAL19DMB00121

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 ALE MALT
Destination: AU
Sales Order: 4403479
ETD: 2019-06-04

Lot: BAL19DMB00121 - WOID: 1788107
2nd ref.:
Req. qt.: 5 mt
Customer PO: 9816 - Bintani Brisbane

Manufacturing date: 2019-05-04

Expiration date: 2021-05-04

Comments: 17

Workorders: 1788107

| Delivered lot information | | | Spec | | |
|---|------|-------|------|------|------|
| Analysis | Unit | Value | Min | Max | Info |
| Moisture ⁽¹⁾ | % | 3.9 | | 4.5 | |
| Extract Fine Grind-As Is, Congress ⁽¹⁾ | % | 79.4 | | | |
| Extract Fine Grind-Dry Basis, Congress ⁽¹⁾ | % | 82.5 | 80.0 | | |
| Saccharification time, minutes, Congress ⁽¹⁾ | min | 10 | | 15 | |
| Colour of Wort, Congress ⁽¹⁾ | EBC | 6.1 | 5.0 | 7.0 | |
| Diastatic Power, Dry Basis ⁽¹⁾ | °WK | 202 | 200 | | |
| Total Protein, Dry Basis ⁽¹⁾ | % | 10.0 | 9.0 | 11.5 | |
| Soluble Protein, Dry Basis, Congress ⁽¹⁾ | % | 4.38 | | | |
| Kolbach Index, Congress ⁽¹⁾ | % | 43.8 | 40.0 | 46.0 | |
| AAL, Congress ⁽¹⁾ | % | 80.2 | 79.0 | 83.0 | |
| Screenings > 2.5 mm ⁽¹⁾ | % | 93.8 | 90.0 | | |
| Screenings < 2.2 mm ⁽¹⁾ | % | 1.2 | | 1.5 | |
| Free Amino Nitrogen, Congress ⁽¹⁾ | mg/l | 168 | | | |
| Friability ⁽¹⁾ | % | 88.9 | 80.0 | | |
| Homogeneity ⁽¹⁾ | % | 99.2 | 95.0 | | |
| Viscosity, Congress ⁽¹⁾ | mPas | 1.51 | | 1.60 | |
| Wort Beta Glucan, Congress ⁽¹⁾ | mg/l | 161 | | 180 | |
| DMS Precursor ⁽¹⁾ | ug/g | 1.2 | | 5.0 | |
| Foreign Seeds ⁽¹⁾ | % | 0.0 | | 2.0 | |

(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

| | |
|-----------------|-------------|
| Variety: | Westminster |
| % : | 100 % |