(Grain Trade Australia) BARLEY STANDARDS 2017/2018

Sampling Guidelines

1) A minimum of 3 probes (litres) must be taken from every load tendered for delivery, plus an additional (probe) litre for every 10 tonnes in the load.

Name	CSG 20 MALT 1	CSG 21 MALT 2	CSG 22 MALT 3	CSG 10 FEED 1	CSG 11 FEED 2	N/A FEED 3
QUALITY PARAMETER						
Varietal Purity Min (% by count). All approved 2 row Malting varieties of the current season	95	95	95	N/A	N/A	N/A
Moisture Max (%)	12.5	12.5	12.5	12.5	12.5	12.5
Protein Min (%). N X 6.25 @ 0% Moisture Basis	9.0	9.0	9.0	N/A	N/A	N/A
Protein Max (%). N X 6.25 @ 0% Moisture Basis	12.0	12.0	12.8	N/A	N/A	N/A
Test Weight Min (kg/hl)	65.0	65.0	65.0	62.5	60.0	55
Retention Min (% by weight). All matter remaining above a 2.50mm slotted screen	70.0	62.0	58.0	N/A	N/A	N/A
Screenings Max (% by weight). All matter passing through a 2.20mm slotted screen	7.0	10.0	NA	15.0	25.0	60
Germinative Energy Min (%). IOB 4ml Germinative Energy test	95	95	95	N/A	N/A	N/A
Germinative Capacity Min (%). IOB Germinative Capacity test (stain)	98	98	98	N/A	N/A	N/A
Rapid Visco Analyser Min (units). RVA units	130	130	130	N/A	N/A	N/A
Falling Number Min (sec). Falling Number result	300	300	300	N/A	N/A	N/A
DEFECTIVE GRAINS MAX (% by count, 100 grain sample, unless otherwise stated)						
Shot	Nil	Nil	Nil	N/A	N/A	N/A
Sprouted	Nil	Nil	Nil	Nil	5	N/A
Dark Tipped	10	10	10	N/A	N/A	N/A
Field Fungi	5	5	5	N/A	N/A	N/A
Skinnings	15	15	15	N/A	N/A	N/A
Insect Damaged (count per half litre)	10	10	10	85	85	85
Cleaved	1	1	1	N/A	N/A	N/A
Broken (% by wt in 100 gram sample)	2.0	2.0	2.0	5.0	5.0	10.0
Distorted	5	5	5	10	10	20
Dry Green or Sappy	1	1	1	N/A	N/A	N/A
Severely Damaged (count per half litre)	1	1	1	2	5	5
Pink Fungal Staining (count per half litre)	1	1	1	20	30	30
FOREIGN SEED CONTAMINANTS Max (count of seeds in total per half litre; unless otherwise stated). Tolerances apply to whole seeds or their equivalent in pieces and refer to the maximum total of all seeds named in each type per half litre. Except Type (1) in which the maximum applies on an individual seed basis per half litre.						
Foreign Grain. Wheat, Cereal Rye, Triticale, Cultivated Oats, Rice	85	85	85	500	1500	2000
Variation a. Wild Oats, Wild Radish	25	25	25	50	100	100
Variation b. Barley with a Coloured Aleurone Layer (blue/black)	Nil	Nil	Nil	100	100	100
Type 1 (individual seeds*). Colocynth, Jute, Long Head Poppy, Mexican Poppy, Field Poppy, Horned Poppy, Wild Poppy, New Zealand Spinach, Parthenium Weed**, Saffron Thistle	8	8	8	8	8	12
Type 2. Castor Oil Plant, Coriander, Crow Garlic/ Wild Garlic, Darling Pea, Opium Poppy, Peanut seeds and pods, Ragweed, Rattlepods, Starburr, St. John's Wort	Nil	Nil	Nil	Nil	Nil	Nil
Type 3a. Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrop/Cats Head, Cape Tulip, Cottonseed, Dodder, Noogoora Burr, Thornapple	2	2	2	2	2	2
Type 3b. Vetch (Tare), Vetch (Commercial)	4	4	4	4	10	20
Type 3c. Heliotrope (Blue), Heliotrope (Common). Note: Tolerance listed for seeds, where 4 seeds = 1 pod	4 seeds / 1 pod	4 seeds / 1 pod	4 seeds / 1 pod	4 seeds / 1 pod	4 seeds / 1 pod	4 seeds / 1 pod
Type 3d. Double Gees/Spiny Emex/Three Cornered Jack	1	1	1	1	1	1
Type 4. Bindweed (Field), Cutleaf Mignonette seeds or pods, Darnel (Drake Seed), Hexham Scent/Meliot (only acceptable if no tainting odour is present), Hoary Cress, Mintweed, Nightshades, Paddy Melon, Skeleton Weed, Variegated Thistle	20	20	20	20	20	30
Type 5. Knapweed (Creeping/Russian), Sesbania Pea, Patterson's Curse/ Salvation Jane	40	40	40	40	40	50
Type 6. Columbus Grass, Johnson Grass (entire load where nil tolerance applies)	Nil	Nil	Nil	40	40	80
Type 7a. Chickpeas, Clover, Corn (Maize), Cowpea, Faba Beans, Lentils, Lupins, Peas (Field), Medic Pods, Safflower, Soybean, Sunflower and any other seeds or pods greater than 5mm in diameter including broad bean	1	1	1	10	20	20
Type 7b. 6 row barley, Bindweed (Australian), Bindweed (Black), Brome Grass, Musk Weed, Onion Weed, Phalaris Glumes, Poverty Weed, Ryegrass on stalk, Sheep Weed, Sorghum Grain, Three Horn Bedstraw, Turnip Weed and any other Foreign Seed not specified in Foreign Grain, Variation, Types 1-7(a) or in SFS	50	50	50	150	300	500
Small Foreign Seeds (% by weight). All Foreign Seeds not specified in Foreign Grain, Variation, Types 1-7(b) that fall below the 2.20mm screen during the Screenings process	0.6	0.6	0.6	1.2	2.0	2.5
* Individual seed basis **Parthenium Weed is a NIL tolerance in NSW/VIC/SA						
OTHER CONTAMINANTS MAX - count per half litre, unless otherwise stated						
Foreign Material (% by weight). Other than already specified	1.0	1.0	1.0	1.0	1.0	1.0
Cereal Smut / Cereal Ergot. Includes Ball and Covered Smut, any Cereal Ergot	Nil	Nil	Nil	Nil	Nil	Nil
Loose Smut (weight in grams). Weight of all pieces per half litre	0.1	0.1	0.1	0.1	0.1	0.1
Ryegrass Ergot (length in cm). Length of all pieces present aligned end on end	0.5	0.5	0.5	0.5	0.5	0.5
Pickling Compounds (entire load). Pickled grain or artificial colouring	Nil	Nil	Nil	Nil	Nil	Nil
Chemicals Not Approved for Barley (entire load). Residues of any chemical compound not approved for barley, used in contravention of the labelled instructions or chemicals in excess of the MRL	Nil	Nil	Nil	Nil	Nil	Nil
Stored Grain Insects & Pea Weevil – Live (entire load). All life stages	Nil	Nil	Nil	Nil	Nil	Nil
Insects – Large, Live or Dead. Includes Rutherglen bugs, ladybirds, grasshoppers/locusts, sitona weevils, wood bugs & pea weevil (dead only)	3	3	3	3	3	3
Insects – Small, Live or Dead. Includes all species of aphid, mites & stored grain insects (dead only)	10	10	10	10	10	10
Snails. Dead or alive	2	2	2	2	4	10
Sand. Individual grains	50	50	50	50	50	50
Earth. 5mm max in diameter	3	3	3	3	3	3
Stones (g per 2.5L). Maximum total weight of all Stones retained above the 2.2mm and 2.5mm screen per 2.5L	4.0	4.0	4.0	4.0	4.0	4.0
Objectionable Material (entire load). Presence of meat meal, blood meal, fish meal, poultry offal meal or other animal proteins. Sticks (>1cm in length & 0.5cm in diameter), stubble (>3cm in length & 1cm in diameter), glass, concrete, metal, animal excreta, animal carcasses, tainting agents or any other commercially unacceptable contaminant, odour or taste	Nil	Nil	Nil	Nil	Nil	Nil