

Commodity: Barley Grade: BARLEY1™		Season: 2023/24 Standard Reference No.: CSG 10
QUALITY PARAMETER	SPECIFICATION	COMMENT
Varietal Purity Min (% by count)	NA	Includes any 2 Row or Barley1/Barley2 variety and barley of any season
Moisture Max (%)	12.5	
Protein Min (%)	NA	N X 6.25 @ 0% Moisture Basis
Protein Max (%)	NA	
Test Weight Min (kg/hl)	62.5	
Retention Min (% by weight)	NA	All matter remaining above a 2.50mm slotted screen – 40 shakes in the direction of the slots
Screenings Max (% by weight)	15.0	All matter passing through a 2.20mm slotted screen – 40 shakes in the direction of the slots
Germinative Energy Min (%)	NA	IOB 4ml Germinative Energy test
Germinative Capacity Min (%)	NA	IOB Germinative Capacity (stain)
Rapid Visco Analyser Min (units)	NA	RVA units
Falling Number Min (sec)	NA	Falling Number result
<b>Defective Grains Max - (% by count, 100 grain sample, unless otherwise stated)</b>		
Shot	N/A	Cleaved NA
Sprouted	Nil	Broken (% wt 100 gram sample) 5.0
Dark Tipped	NA	Distorted 10
Field Fungi	NA	Dry Green or Sappy NA
Skinnings	NA	Severely Damaged (count per half litre, grain remaining above the screen) 2
Insect Damaged (count per half litre)	85	Pink Fungal Staining (count per half litre) 20
<b>Foreign Seed Contaminants Max - (count of seeds in total per half litre, unless otherwise stated)</b>		
Foreign Grain	500	Wheat, Cereal Rye, Triticale, Cultivated Oats, Rice
Variation a	50	Wild Oats, Wild Radish Pods
Variation b	100	Barley with Coloured Aleurone Layer (blue / black)
Type 1 (individual seeds)	8	Colocynth, Jute, Long Head Poppy, Mexican Poppy, Field Poppy, Horned Poppy, Wild Poppy, New Zealand Spinach, Parthenium Weed (QLD only), Saffron Thistle
Type 2	Nil	Castor Oil Plant, Coriander, Crow Garlic/ Wild Garlic, Darling Pea, Opium Poppy, Parthenium Weed (NSW/VIC/SA), Peanut seeds and pods, Ragweed, Rattlepods, Starburr, St. John's Wort
Type 3a	2	Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrop/Cats Head, Cape Tulip, Cottonseed, Dodder, Noogoora Burr, Thornapple
Type 3b	4	Vetch (Tare), Vetch (Commercial)
Type 3c	4 seeds / 1 pod	Heliotrope (Blue), Heliotrope (Common)
Type 3d	1	Double Gees/Spiny Emex/Three Cornered Jack
Type 4	20	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
Type 5	40	Knapweed (Creeping/Russian), Sesbania Pea, Patterson's Curse/ Salvation Jane
Type 6	40	Columbus Grass, Johnson Grass
Type 7a	10	Adzuki Beans, Broad Beans, 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
Type 7b	150	6 row barley, Bindweed (Australian), Bindweed (Black), Brome Grass, Carrot Weed, Musk Weed, Onion Weed, Phalaris Glumes, Poverty Weed, Ryegrass on stalk, Sheep Weed, Sorghum Grain, Three Horn Bedstraw, Turnip Weed Pod and any other Foreign Seed not specified in Types 1-7(a), Foreign Grain, Variation (a or b) or in SFS
Small Foreign Seeds (% by weight)	1.2	All Foreign Seeds not specified in Types 1-7(b), Foreign Grain, Variation (a or b) that fall below the 2.20mm screen during the Screenings process
<b>Other Contaminants Max - (count per half litre, unless otherwise stated)</b>		
Foreign Material (% by weight)	1.0	Other than already specified
Cereal Smut / Cereal Ergot (entire load)	Nil	Includes Ball and Covered Smut, any Cereal Ergot
Loose Smut (weight in grams)	0.1	Weight of all pieces per half litre
Ryegrass Ergot (length in cm)	0.5	Length of all pieces present aligned end on end
Pickling Compounds or Artificial Colour (entire load)	Nil	Pickled grain or artificial colouring
Chemicals Not Approved for Barley (entire load)	Nil	Residues of any chemical compound not approved for barley, used in contravention of the labelled instructions or chemicals in excess of the MRL
Stored Grain Insects & Pea Weevil – Live (entire load)	Nil	All life stages
Insects – Large, Live or Dead	3	Includes Rutherglen bugs, ladybirds, grasshoppers/locusts, sitona weevils, wood bugs & pea weevil (dead only)
Insects – Small, Live or Dead	10	Includes all species of aphid, mites & stored grain insects (dead only)
Snails	1	Dead or alive
Sand	50	Individual grains
Earth	3	5mm max in diameter
Stones (g per 2.5L)	4.0	Total weight of all Stones retained above the 2.2mm & 2.5mm screen per 2.5L
Gumnut (count per 2.5L)	1	Whole or pieces of gumnut of any size and maturity level
Objectionable Material (entire load)	Nil	Presence of meat meal, blood meal, fish meal, poultry offal meal or other animal proteins. Stick/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

Commodity: Barley Grade: BARLEY2™		Season: 2023/24 Standard Reference No.: CSG 11
QUALITY PARAMETER	SPECIFICATION	COMMENT
Varietal Purity Min (% by count)	NA	Includes any 2 Row or Barley1/Barley2 variety and barley of any season
Moisture Max (%)	12.5	
Protein Min (%)	NA	N X 6.25 @ 0% Moisture Basis
Protein Max (%)	NA	
Test Weight Min (kg/hl)	60.0	
Retention Min (% by weight)	NA	All matter remaining above a 2.50mm slotted screen – 40 shakes in the direction of the slots
Screenings Max (% by weight)	25.0	All matter passing through a 2.20mm slotted screen – 40 shakes in the direction of the slots
Germinative Energy Min (%)	NA	IOB 4ml Germinative Energy test
Germinative Capacity Min (%)	NA	IOB Germinative Capacity (stain)
Rapid Visco Analyser Min (units)	NA	RVA units
Falling Number Min (sec)	NA	Falling Number result
<b>Defective Grains Max</b> - (% by count, 100 grain sample, unless otherwise stated)		
Shot	N/A	Cleaved
Sprouted	5	Broken (% wt 100 gram sample)
Dark Tipped	NA	Distorted
Field Fungi	NA	Dry Green or Sappy
Skinings	NA	Severely Damaged (count per half litre, grain remaining above the screen)
Insect Damaged (count per half litre)	85	Pink Fungal Staining (count per half litre)
<b>Foreign Seed Contaminants Max</b> - (count of seeds in total per half litre, unless otherwise stated)		
Foreign Grain	1500	Wheat, Cereal Rye, Triticale, Cultivated Oats, Rice
Variation a	100	Wild Oats, Wild Radish Pods
Variation b	100	Barley with Coloured Aleurone Layer (blue / black)
Type 1 (individual seeds)	8	Colocynth, Jute, Long Head Poppy, Mexican Poppy, Field Poppy, Horned Poppy, Wild Poppy, New Zealand Spinach, Parthenium Weed (QLD only), Saffron Thistle
Type 2	Nil	Castor Oil Plant, Coriander, Crow Garlic/ Wild Garlic, Darling Pea, Opium Poppy, Parthenium Weed (NSW/VIC/SA), Peanut seeds and pods, Ragweed, Rattlepods, Starburr, St. John's Wort
Type 3a	2	Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrop/Cats Head, Cape Tulip, Cottonseed, Dodder, Noogoora Burr, Thornapple
Type 3b	10	Vetch (Tare), Vetch (Commercial)
Type 3c	4 seeds / 1 pod	Heliotrope (Blue), Heliotrope (Common)
Type 3d	1	Double Gees/Spiny Emex/Three Cornered Jack
Type 4	20	Bindweed (Field), Cutleaf Mignonette seeds, Darnel (Drake Seed), Hexham Scent/Meliot (only acceptable if no tainting odour is present), Hoary Cress, Mintweed, Nightshades, Paddy Melon, Skeleton Weed, Variegated Thistle
Type 5	40	Knapweed (Creeping/Russian), Sesbania Pea, Patterson's Curse/ Salvation Jane
Type 6	40	Columbus Grass, Johnson Grass
Type 7a	20	Adzuki Beans, Broad Beans, 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. Includes Onion Weed Pods regardless of size
Type 7b	300	6 row barley, Bindweed (Australian), Bindweed (Black), Brome Grass, Carrot Weed, Musk Weed, Onion Weed, Phalaris Glumes, Poverty Weed, Ryegrass on stalk, Sheep Weed, Sorghum Grain, Three Horn Bedstraw, Turnip Weed Pod and any other Foreign Seed not specified in Types 1-7(a), Foreign Grain, Variation (a or b) or in SFS
Small Foreign Seeds (% by weight)	2.0	All Foreign Seeds not specified in Types 1-7(b), Foreign Grain, Variation (a or b) that fall below the 2.20mm screen during the Screenings process
<b>Other Contaminants Max</b> - (count per half litre, unless otherwise stated)		
Foreign Material (% by weight)	1.0	Other than already specified
Cereal Smut / Cereal Ergot (entire load)	Nil	Includes Ball and Covered Smut, any Cereal Ergot
Loose Smut (weight in grams)	0.1	Weight of all pieces per half litre
Ryegrass Ergot (length in cm)	0.5	Length of all pieces present aligned end on end
Pickling Compounds or Artificial Colour (entire load)	Nil	Pickled grain or artificial colouring
Chemicals Not Approved for Barley (entire load)	Nil	Residues of any chemical compound not approved for barley, used in contravention of the labelled instructions or chemicals in excess of the MRL
Stored Grain Insects & Pea Weevil – Live (entire load)	Nil	All life stages
Insects – Large, Live or Dead	3	Includes Rutherglen bugs, ladybirds, grasshoppers/locusts, sitona weevils, wood bugs & pea weevil (dead only)
Insects – Small, Live or Dead	10	Includes all species of aphid, mites & stored grain insects (dead only)
Snails	4	Dead or alive
Sand	50	Individual grains
Earth	3	5mm max in diameter
Stones (g per 2.5L)	4.0	Total weight of all Stones retained above the 2.2mm & 2.5mm screen per 2.5L
Gumnut (count per 2.5L)	1	Whole or pieces of gumnut of any size and maturity level
Objectionable Material (entire load)	Nil	Presence of meat meal, blood meal, fish meal, poultry offal meal or other animal proteins. Stick/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