

(Grain Trade Australia) OATS 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.

| BINNED GRADE CSG Number: | POAT | MOAT | Feed1 |
|--|--------|--------|--------|
| | CSG-30 | CSG-31 | CSG-32 |
| PHYSICAL QUALITY PARAMETERS | | | |
| Varietal Purity (% by weight) Minimum. Approved Varieties only | 95 | 95 | N/A |
| Moisture (%) Maximum | 12.5 | 12.5 | 12.5 |
| Test Weight (kg/hl) Minimum | 52.5 | 51.0 | 48.0 |
| Unmillable Material Above Screen (% by weight) Maximum. Material other than oat kernels remaining on top of a 2.0mm slotted screen after 40 shakes. Includes whiteheads, chaff, backbone, Wild Radish, Milk Thistle, other seedpods | 2.0 | N/A | N/A |
| Screenings (Unmillable Material Below the Screen) (% by weight) Maximum. Material passing through a 2.0mm slotted screen after 40 shakes | 5.0 | 10.0 | 20.0 |

| DEFECTIVE GRAINS (% by count, 200 grain sample; unless otherwise stated) | | | |
|--|-----|-----|------|
| Damaged Grains (% by count) Maximum. Physical damage to the Groat such as Broken. | 2.0 | 2.0 | N/A |
| Stained Grains (% by count) Maximum. Where greater than 50% of the grain surface is discoloured. Various colours may be exhibited such as brown to black. Remove husk to determine presence on Groat. | 5.0 | 5.0 | 20.0 |
| Stained Groat (% by count) Maximum. Any discolouration from the normal colour of the Groat is defective. Various colours such as light brown to black may be represented by this defect. | Nil | Nil | 20.0 |
| Field Fungi (entire load). Fungal growth over more than 10% of the grain surface which gives the grain the appearance of grey to black spotting occurring anywhere on the grain. | Nil | Nil | Nil |
| Dry Green or Sappy (% by count) Maximum. Grain surface is distinctively green. | 1.0 | 5.0 | N/A |
| Frost Damaged (% by count) Maximum | 1.0 | 1.0 | 20.0 |
| Insect Damaged (% by count) Maximum | 1.0 | 1.0 | 5.0 |
| Shot (% by count) Maximum. The covering of the germ is split, but without further development of the shoot. | Nil | Nil | N/A |
| Sprouted (entire load). The shoot is visibly seen growing out from the germ. | Nil | Nil | Nil |
| Heat Damaged, Bin Burnt, Mouldy, Storage Mould (Entire load/count per half litre) | Nil | Nil | 1 |

FOREIGN SEED CONTAMINANTS Max (count 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.

| | | | |
|--|-----|-----|-----|
| Type 1 Max (Individual seeds per half litre*) Colocynth, Jute, Long Head Poppy, Mexican Poppy, New Zealand Spinach, Parthenium Weed**, Poppy (Field), Poppy (Horned), Wild Poppy | 5* | 5* | 5* |
| Type 2 Max (entire load) Castor Oil Plant, Coriander, Crow Garlic/Wild Garlic, Darling Pea, Double Gees/Spiny Emex/Three Cornered Jack, Opium Poppy, Peanut Seeds & Pods, Ragweed, Rattlepods, Starburr, St Johns Wort | Nil | Nil | Nil |
| Type 3a Max (seeds in total per half litre) Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrap/Cats Heads, Cape Tulip, Cotton Seed, Dodder, Noogoora Burr, Thornapple | Nil | Nil | Nil |
| Type 3b Max (seeds in total per half litre) Vetch (Tare), Vetch (Commercial) | 4 | 4 | 4 |
| Type 3c Max (seeds in total per half litre) Heliotrope (Blue), Heliotrope (Common) Note - 4 seeds / 1 pod | 4 | 4 | 4 |
| Type 4 Max (seeds in total per half litre) Bindweed (Field), Cutleaf Mignonette, Darnel (Drake Seed), Hexham Scent/Melilot (King Island)***, Hoary Cress, Mintweed, Night Shades, Paddy Melon, Skeleton Weed, Variegated Thistle | 10 | 10 | 10 |
| Type 5 Max (seeds in total per half litre) Knapweed (Creeping/Russian), Pattersons Curse/Salvation Jane, Sesbania Pea | 40 | 40 | 40 |
| Type 6 Max (seeds in total per half litre) Saffron Thistle | 2 | 5 | 10 |
| Type 7a Max (seeds in total per half litre) Broad Beans, Chickpeas, Colombus Grass, Cowpea, Faba Beans, Johnson Grass, Lentils, Lupin, Maize (Corn), Peas (Field), Safflower, Soybean, Sunflower, Any other seeds or pods greater than 5mm diameter | 1 | 1 | 20 |
| Type 7b Max (seeds in total per half litre) Barley, Bindweed (Australian), Bindweed (Black), Durum, Oats (Sand), Rice, Rye (Cereal), Sorghum, Triticale, Turnip Weed, Wheat and any other seed not specified in Type 1 to Type 7a, Type 8 or SFS | 20 | 50 | 250 |
| Type 8 Max Oats (Wild/Black) | 20 | 20 | 100 |
| Small Foreign Seeds Max (% by weight) Foreign seeds not specified in Type 1-8 falling below the 2mm screen | 0.5 | 0.5 | 3 |
| * Individual Seed basis | | | |
| **Parthenium Weed is a NIL tolerance in NSW/VIC/SA. ***Hexham Scent is only acceptable if no tainting odour is present. | | | |

| OTHER CONTAMINANTS Max (count per half litre; unless otherwise stated) | | | |
|--|-----|-----|-----|
| Smuts (entire load) Includes all smut species | Nil | Nil | Nil |
| Cereal Ergot (entire load) Includes whole or pieces of ergot | Nil | Nil | Nil |
| Ryegrass Ergot (length in cm per half litre) Maximum | 2.0 | 2.0 | 2.0 |
| Stored Grain Insects & Pea Weevil - Live (entire load) | Nil | Nil | Nil |
| Insects - Large Live or Dead (count per half litre) Maximum. Includes Desiantha Weevil, Hairy Fungus Beetle, Pea Weevil (dead only), Sitona Weevil, Rutherglen bugs, ladybirds, grasshoppers and wood bugs, whole or parts thereof. | 3 | 3 | 3 |
| Insects - Small Live or Dead (count per half litre) Maximum. Includes all species of aphid, minute mould beetle, mites & stored grain insects (dead only). | 10 | 10 | 10 |
| Snails Live or Dead (count per half litre) Maximum | 2 | 2 | 3 |
| Earth (count per half litre) Maximum. Maximum 5mm in diameter | 3 | 3 | 3 |
| Sand (count per half litre) Maximum. Individual grains of sand falling below the screen | 50 | 50 | 50 |
| Stones (g per 2.5L). Maximum weight retained above the 2.0mm screen per 2.5L sample | 4 | 4 | 4 |
| Other Foreign Material (% by weight) Maximum. Includes fine material (dust and minerals), pieces snail shell, sticks less than 1cm long and 0.5cm diameter, other non-vegetative material, not otherwise stated in these standards | 0.1 | 0.1 | 0.1 |
| Objectionable Material (entire load) Includes sticks, tainting agents and other commercially unacceptable contaminants such as animal excreta, animal meal or carcasses, glass, concrete and metal. | Nil | Nil | Nil |
| Pickling Compounds (entire load) | Nil | Nil | Nil |
| Odour (entire load) Grain which has any commercially objectionable foreign odour due to tainting agents or improper storage causing mould, souring or musty odours | Nil | Nil | Nil |
| Chemicals Not Approved for Oats (entire load) Residues of any chemical compound not approved for Oats, used in contravention of the labelled instructions or chemicals in excess of the MRL. | Nil | Nil | Nil |