



Australian grown mungbeans
have *quality* written all over them!

Standards for Export Mungbean

Appearance	Sprouting	Cooking	No. 1 Processing	Processing	Manufacturing
Berken Crystal [®] Emerald [®] White Gold™	Equal to or better than the appearance of the standard sample. The standard sample is equal to or better than the No. 1. Processing grade sample.	Equal to or better than the appearance of the standard sample. The standard sample has a bright appearance.	Equal to or better than the appearance of the standard sample. The standard sample has a brighter appearance than processing, and colour will be more even.	Equal to or better than the appearance of the standard sample.	Lower than Processing grade standard sample.
Satin II [®]	Equal or better than the appearance of the standard sample. The standard sample is equal or better than the cooking grade sample.	Equal to or better than the appearance of the standard sample. The standard sample has an even appearance.		Equal to or better than the appearance of the standard sample.	Lower than Processing grade standard sample.
Regur	Equal to or better than the appearance of the standard sample. The standard sample has an even appearance but 0.5% brown is acceptable.	Equal to or better than the appearance of the standard sample. The standard sample has an even appearance but 0.5% brown is acceptable		Equal to or better than the appearance of the standard sample.	Lower than Processing grade standard sample.
	Premium	No.1		Processing	Manufacturing
Green Diamond [®] Celera	Equal to or better than the appearance of the standard sample. The standard sample has an even appearance.	Equal to or better than the appearance of the standard sample. The standard sample has an even appearance.		Equal to or better than the appearance of the standard sample.	Lower than Processing grade standard sample.
The Standards below relate to all Varieties of Mungbean					
Size range (2mm)	98% 75% must be in 0.8mm range	98% 75% must be in 0.8mm range	98% 75% must be in 0.8mm range		
Purity	99% 0.3% other seeds Max. Soil/Stone Content 0.1%	99% 0.3% other seeds Max. Soil/Stone Content 0.1%	99% 0.5% other seeds Max. Soil/Stone Content 0.1%	99% 0.5% other seeds Max. Soil/Stone Content 0.1%	99% 0.5% other seeds Max. Soil/Stone Content 0.1% 2% Splits allowable
Germination Excluding hard seeds	90%				
Over-soaks	10%				
Moisture	12%	12%	12%	12%	12%
Charcoal Rot	Absent				
Salmonella	Not Detected				
E Coli	Not Detected				
Coli forms	Not Detected				
Sprout Test	Suitable				

Explanations of the AMA Standards

- Appearance;** Based on visual assessment against the standard sample at the time of testing. Appearance is determined on uniformity of colour, shades of colour, insect damage, lustre, brightness of colour, condition of skin coat and any other characteristics that effect appearance.
- Over-soaks;** Percentage of Mungbeans which imbibe after submerging in water at 32 degrees for one hour
- Purity;** By the International Seed Testing Association rules. Prohibited Seeds (nil tolerance) NSW & QLD lists. Nil Fungal bodies allowed
 - AQIS standard for soil/stone states that soil should not be superficially obvious
 - Manufacturing Grade will be 97% by ISTA but it must have a total purity of 99% of mungbean material.
- Germination;** By the International Seed Testing Association rules. Hard seed to be reported. Hard seeds not to be counted as germinable seed (excluded) for varieties Berken, Delta Emerald and Satin. There is no hard seed limit for Regur, Celera or Green diamond.
- Size Grading;** 98% must be within a 2mm range based on slotted sieves and within this range 75% must be within 0.8mm. (Seed size will be recorded on the certificate)
- Charcoal Rot;** Presence of Charcoal Rot tested at 28 degrees for 4 days.
- Moisture;** By International Seed Testing Association rules.
- Microbiological Standards;** Ecoli < 10/g Coli forms < 103/g, Salmonella Nil/25g. (If less than tolerance Not Detected to be reported)
- Lowest grade of any one of the above tests will be the overall grade given.**
- Sprout Test;** As per AMA approved procedures
- All Mungbean covered by these Standards are to be Machine Dressed**
- Manufacturing grade is "Sale by Sample".**