Refractions
In
Raw & Parboiled Rice
As per Uniform Specifications
Foreign Matter

Raw Rice

Sound Grains

Foreign Matter

Includes inorganic and organic matter. The inorganic matter shall include sand, gravel, dirt, pebbles, stones, glass and metallic pieces, lumps of earth, clay and mud. Organic matter shall include husk, chaff, straw, weed seeds and other inedible grains. Paddy shall be considered as foreign matter in commodities other than paddy.
Those pieces of rice kernel which are equal to or smaller than three-fourth but bigger than one half of the average length of the unbroken kernels.
Those pieces of rice kernels which do not exceed one quarter average length of the unbroken kernel, retained on 1.10 mm IS sieve.
Kernels or pieces of kernels that are sprouted or internally damaged as a result of heat, moisture, weather or microbes.
Kernels or pieces of kernels that are damaged or discoloured, superficially so as not to affect the quality of the material.
Raw Rice

Pin Point Damaged Grains

Sound Grains

Pin Point Damaged Grains
Discoloured grains are kernels or pieces of kernels that have changed the colour due to deteriorative changes. Disputed tip discoloured grains to be treated as discoloured grains.
Kernels or pieces of kernels of which at least half the portion is opaque, milky white in colour and brittle in nature.
Kernels or pieces of kernels having more than one fourth of the surface covered with red cuticle.
The presence of a variety of the same grain other than the variety in consideration.
Kernels, whole or broken which have more than one fourth of the surface area of the kernel covered with bran.
Those pieces of rice kernel which are equal to or smaller than three-fourth but bigger than one half of the average length of the unbroken kernels.
Those pieces of rice kernels which do not exceed one quarter average length of the unbroken kernel, retained on 1.10 mm IS sieve.
Parboiled Rice
Damaged

Sound Grains

---

Image of damaged parboiled rice and sound grains.
Often disputed and mistaken as discoloured grains, which actually are damaged as the grains have been affected by heat while paddy was in storage. This deteriorative change has affected the core of the grain as shown in the transverse section of the grain depicted in the picture.
Kernels or pieces of kernels that are damaged or discoloured, superficially so as not to affect the quality of the material.
Kernels or pieces of kernels that have changed the colour as a result of deteriorative changes.
Kernels or pieces of kernels having more than one fourth of the surface covered with red cuticle.
The presence of a variety of the same grain other than the variety in consideration.