

Note: Specification Definitions:

- 1) Rice: Means whole or broken kernels of rice, which the husks and at least the outer bran layers and a part of the germ have been removed. It also includes loonzain (cargo rice of brown rice), parboiled rice and glutinous rice
- 2) Whole kernel A rice kernel which is not broken
- 3) Head Rice A piece of kernel having the length equal to or greater than three-fourths of average length of the unbroken kernels.
- 4) Big Brokens Piece of kernels smaller than three-fourth but bigger than one-half the average length of the unbroken kernels as specified for each grade under this standard but, the length of the kernel must be less than that of head rice.
- 5) Brokens Pieces of kernels having its length one fifth or more of the average length of the unbroken kernels as specified for each grade under this standard but, the length of the kernels must be less than of big brokens.
- 6) Small Brokens Piece of kernels, which do not exceed one-fifth average length of the unbroken kernel. The minimum limit is that which does not pass through a sieve which round perforation of 1.4mm(0.055 inches) in diameter (or) equivalent to a No. 6 sieve.
- 7) Points Small pieces of particles of kernels that pass through a sieve having round perforations not greater than 1.4mm (0.055 inches) in diameter.
- 8) Moisture Means content of water in the rice, which is commonly expressed in the wet basis. I.e. the percentage of water present in the wet grain. It is determined by the air oven method, by distillation, or by means of meters, which relate electric resistance of dielectric properties of the grain to its moisture content.
- 9) Red Streaked Kernel: Kernels having red streaks, the total length of which amounts to one half or more of the length of the kernel, but which are free from red patches amounting to 25% of the surface area of the grain.
- 10) Red Kernels: Whole kernels of rice having 25% more of the surface rice
- 11) Chalky Kernel Kernels having, one half or more of the surface is white like a colour of chalk.
- 12) Damaged Grain: Kernels of rice which are distinctly discolored or damaged by heat, water, insect, fungi or any other means. Parboiled kernels non-parboiled rice is considered as damaged kernels.
- 13) Yellow kernel: Kernels that have changed their normal colour into yellow or yellowish brown as a result of heating and natural agents.
- 14) Paddy Un-husked kernels of rice.
- 15) Shriveled Kernel Unusually slender kernel

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| 16) Immature kernel       | Kernels, which are unripe or under developed usually light green in colour.  |
| 17) Split kernel          | A kernel that break lengthwise into parts  |
| 18) Foreign Matter        | All matter other than rice kernels whole or broken rice polishing on paddy.  |
| 19) Seed                  | Seed of any plant other than paddy   |
| 20) Stained Kernels       | Black spot on the surface or seed coat stained by diseased or by weather   |
| 21) Weeviled kernels      | Bored or bitten off grains after being attacked by weevils.  |
| 22) Floor Damaged Kernels | Damaged caused to bottom layers of bags in storage due to heat, pressure and dampness  |
| 23) Deteriorated Kernels  | Grains badly damaged by heat and water. Grains turn to powder even if slight pressure is applied to the grain  |
| 24) Dead kernels          | Black shrunken kernels in parboiled rice.  |
| 25) Half Boiled kernels   | Paddy not fully and properly gelatinized.  |
| 26) Mildewed Kernels      | Kernels with grayish must coated on the surface.   |
| 27) Foreign Kernels       | Kernels of any variety other than kernels of the specified variety.  |
| 28) Uneven colour         | Admixture of light yellow, yellow and orange coloured parboiled rice.  |
| 29) Meal                  | Rice polishing that comes out fro the brown crust (aleurone layers) germ and part starchy kernels of the rice kernels (meal should have been removed during milling) |
| 11) Extra well milled     | Paddy from which the husk, the germ and the bran layers have been completely removed to the extent that appearance is translucent.                                   |
| 12) Extra Broken          | Those which are bigger than No.1 Broken.   |
| 13) Broken No.1           | Those which fall through sieve No. 8 ½ but are retained on sieve No. 8   |
| 14) Points                | Very minute pieces of Kernel   |
| 15) Sieve No.8 1/2        | Diameter of perforation / 0.091 Inch   |
| 16) Sieve No. 8           | Diameter of perforation / 0.085 Inch   |