

NOTIFICATION OF MINISTRY OF COMMERCE

Subject: Standards for Thai Colour Rice

B.E. 2562

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Whereas it is expedient to prescribe the standards for Thai Colour Rice for the benefit of promoting the trading of Thai Colour Rice, and of driving Thai Colour Rice to good standards so that it obtains the trust and acceptance of the consumers and to add value to Thai Colour Rice,

By virtue of Article 4, first paragraph (2) of Export Commodity Standards Act B.E. 2503, as amended by Export Commodity Standards Act (second edition) B.E. 2522, the Minister of Commerce, with the advice of the Committee of Commodity Standards, hereby issues the notification as follows:

Clause 1 This notification is called "Notification of Ministry of Commerce, Subject: Standards for Thai Colour Rice B.E. 2562.

Clause 2 This notification shall come into force after the lapse of 60 days as from the date of its publication in the Government Gazette.

Clause 3 To prescribe the Standards for Thai Colour Rice according to the details appended to this notification.

Notified as on 18 February B.E. 2562

Chutima Bunyapraphasara  
Deputy Minister of Commerce  
Acting Minister of Commerce

**STANDARDS FOR THAI COLOUR RICE**  
**Appended to Notification of Ministry of Commerce**  
**Subject: Standards for Thai Colour Rice B.E. 2562**

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**Clause 1 Definitions**

(1) **Thai Colour Rice** means Cargo rice transformed from paddy of non-glutinous and glutinous rice that is produced in Thailand. The rice has pericarp or seed coat dark or light in colour depending on the temperature, cultivated area and production season. It has nutritional value relating to the colour and varieties of such rice, which are the group of Black, Dark purple and Purple colour, such as non-glutinous type like Riceberry, Black fragrant and glutinous type like Gam Lanna, Luem Phua. And the group of Red colour such as non-glutinous type like Sang-yod Patthalung, Red fragrant rice. The Thai Colour Rice does not mean the Cargo rice as specified in the Notification of Ministry of Commerce, Subject: Standards for Thai rice, Standards for Thai Hom Mali rice and Standards for Thai Fragrant rice.

(2) **Rice** means non-glutinous and glutinous rice (*Oryza sativa L.*) in whatever form.

(3) **Paddy** means rice that is not yet dehusked.

(4) **Cargo rice** (Loonzain rice, Brown rice, Husked rice) means rice that is dehusked only.

(5) **Intrinsic colour, Colour of kernels** mean the colour of the pericarp or the seed coat that is the majority feature of the rice kernels in that group. It may be the kernels that are entirely or almost entirely dark or the Off colour kernels.

(6) **Off colour kernels** mean the kernels of the same colour group or variety that the pericarp or the seed coat has more than one colour mixed in same kernel, or the kernels that have the colour lighter than the entirely or almost entirely dark colour kernels in that group.

(7) **Other colour kernels** mean the kernels that the pericarp or the seed coat has the colour other than that of the rice of that group, e.g. white colour kernels or red colour kernels mixed in the group or variety of black, dark purple and purple colour, etc.

(8) **Other type kernels** mean white rice kernels, white glutinous rice kernels or parboiled rice kernels.

(9) **Parts of rice kernels** mean each part of the whole kernel that is divided lengthwise into 10 equal parts.

(10) **Whole kernels** mean rice kernels that are in whole condition without any broken part, and including the kernels that have the length as from 9 parts onward.

(11) **Head rice** means fragments whose lengths are more than those of brokens but have not reached the length of the whole kernel. This includes split kernels that retain the area as from 80% of the whole kernel

(12) **Brokens** mean fragments that have the length as from 2.5 parts but have not reached the length of Head rice. This includes split kernels that retain the area less than 80% of the whole kernel.

(13) **Small brokens C1** mean small fragments that pass through sieve No. 7.

(14) **Damaged kernels** mean rice kernels that are obviously damaged as can be seen by the naked eyes due to moisture, heat, fungi, insects or other.

(15) **Undeveloped kernels** mean rice kernels that do not develop normally as should be, and are flat.

(16) **Immature kernels** mean rice kernels that are light green, obtained from immature paddy.

(17) **Other seeds** mean seeds of other plants than rice kernels.

(18) **Foreign matter** means other matter than rice. This includes rice husk and bran detached from rice kernels.

(19) **Sieve No. 7** means round hole metal sieve of which the thickness is 0.79 mm (0.031 inch) and the hole diameter is 1.75 mm (0.069 inch).

(20) The unit "**per cent**" means percentage by weight.

**Clause 2** The colour rice shall be divided into 2 types as follows:

- (1) Non-glutinous rice
- (2) Glutinous rice

**Clause 3** The non-glutinous rice shall be divided into 2 grades as follows:

- (1) Prime quality
- (2) Superb quality

**Clause 4** The glutinous rice shall be divided into 4 grades as follows:

- (1) Prime quality
- (2) Superb quality
- (3) Best quality
- (4) Standard quality

**Clause 5** The colour rice of all types and grades shall have the following standards:

- (1) Moisture content not exceeding 14.0%
- (2) No live insects.
- (3) Long grain kernels that have the average length of whole kernels without broken parts exceeding 6.2 mm. group.
- (4) Intrinsic colour or Colour of kernels shall be uniform by nature relating to that colour

**Clause 6** The standards for the colour rice of non-glutinous type shall be specified as follows:

**6.1 Black, dark purple and purple colour**

**(1) Prime quality**

Shall have Intrinsic colour or Colour of kernels, Grain composition and Matter that may be present as follows:

**Intrinsic colour or Colour of kernels** comprising of:

Kernels of entirely dark or almost entirely dark not less than 80%, the rest shall be Off colour kernels.

**Grain composition** comprising of:

- Whole kernels not less than 70.0%
- Broken having the length as from 3.5 parts onward but not reaching 7.0 parts not exceeding 12.0%. Of this there may be broken having the length not reaching 3.5 parts and not passing through sieve No. 7 not exceeding 1.5% and Small broken C1 not exceeding 0.5%.

- The rest shall be Head rice having the length as from 7.0 parts onward.

**Rice and matter that may be present:**

- Damaged kernels not exceeding 1.0%
- Other colour kernels not exceeding 4.0%
- Other type kernels not exceeding 1.0%
- Paddy not exceeding 10 grains per 1 kg rice
- Undeveloped kernels, Immature kernels, Other seeds and Foreign matter either singly or combined not exceeding 5.0%

**(2) Superb quality**

Shall have Intrinsic colour or Colour of kernels, Grain composition and Matter that may be present as follows:

**Intrinsic colour or Colour of kernels** comprising of:

Kernels of entirely dark or almost entirely dark not less than 65%, the rest shall be Off colour kernels

**Grain composition** comprising of:

- Whole kernels not less than 70.0%
- Broken having the length as from 3.5 parts onward but not reaching 7.0 parts not exceeding 12.0%. Of this there may be broken having the length not reaching 3.5 parts and not passing through sieve No. 7 not exceeding 1.5% and Small broken C1 not exceeding 0.5%.

- The rest shall be Head rice having the length as from 7.0 parts onward.

**Rice and matter that may be present:**

- Damaged kernels not exceeding 1.0%
- Other colour kernels not exceeding 4.0%
- Other type kernels not exceeding 1.0%
- Paddy not exceeding 10 grains per 1 kg rice
- Undeveloped kernels, Immature kernels, Other seeds and Foreign matter either singly or combined not exceeding 5.0%

**6.2 Red colour**

**(1) Prime quality**

Shall have Intrinsic colour or Colour of kernels, Grain composition and Matter that may be present as follows:

**Intrinsic colour or Colour of kernels** comprising of:

Kernels of entirely dark or almost entirely dark not less than 80%, the rest shall be Off colour kernels.

**Grain composition** comprising of:

- Whole kernels not less than 70.0%
- Broken having the length as from 3.5 parts onward but not reaching 7.0 parts not exceeding 12.0%. Of this there may be broken having the length not reaching 3.5 parts and not passing through sieve No. 7 not exceeding 1.5% and Small broken C1 not exceeding 0.5%.

- The rest shall be Head rice having the length as from 7.0 parts onward.

**Rice and matter that may be present:**

- Damaged kernels not exceeding 1.0%
- Other colour kernels not exceeding 4.0%
- Other type kernels not exceeding 1.0%
- Paddy not exceeding 10 grains per 1 kg rice
- Undeveloped kernels, Immature kernels, Other seeds and Foreign

matter either singly or combined not exceeding 5.0%

**(2) Superb quality**

Shall have Intrinsic colour or Colour of kernels, Grain composition and Matter that may be present as follows:

**Intrinsic colour or Colour of kernels** comprising of:

Kernels of entirely dark or almost entirely dark not less than 65%, the rest shall be Off colour kernels.

**Grain composition** comprising of:

- Whole kernels not less than 70.0%
- Broken kernels having the length as from 3.5 parts onward but not reaching 7.0 parts not exceeding 12.0%. Of this there may be broken kernels having the length not reaching 3.5 parts and not passing through sieve No. 7 not exceeding 1.5% and Small broken kernels C1 not exceeding 0.5%.

- The rest shall be Head rice having the length as from 7.0 parts onward.

**Rice and matter that may be present:**

- Damaged kernels not exceeding 1.0%
- Other colour kernels not exceeding 4.0%
- Other type kernels not exceeding 1.0%
- Paddy not exceeding 10 grains per 1 kg rice
- Undeveloped kernels, Immature kernels, Other seeds and Foreign

matter either singly or combined not exceeding 5.0%

**Clause 7** The standards for the colour rice of glutinous type shall be specified as follows:

**7.1 Black, Dark purple and Purple colour**

**(1) Best quality**

Shall have Intrinsic colour or Colour of kernels, Grain composition and Matter that may be present as follows:

**Intrinsic colour or Colour of kernels** comprising of:

Kernels of entirely dark or almost entirely dark not less than 30%, the rest shall be Off colour kernels.

**Grain composition** comprising of:

- Whole kernels not less than 60.0%
- Broken having the length as from 3.0 parts onward but not reaching 6.5 parts not exceeding 17.0%. Of this there may be broken having the length not reaching 3.0 parts and not passing through sieve No.7 not exceeding 1.5% and Small broken C1 not exceeding 0.5%.

- The rest shall be Head rice having the length as from 6.5 parts onward.

**Rice and matter that may be present:**

- Damaged kernels not exceeding 1.0%
- Other colour kernels not exceeding 6.0%
- Other type kernels not exceeding 1.0%
- Paddy not exceeding 10 grains per 1 kg rice
- Undeveloped kernels, Immature kernels, Other seeds and Foreign matter either singly or combined not exceeding 5.0%

**(2) Standard quality**

Shall have Intrinsic colour or Colour of kernels, Grain composition and Matter that may be present as follows:

**Intrinsic colour or Colour of kernels** comprising of:

Kernels of entirely dark or almost entirely dark not less than 15% but not reaching 30%, the rest shall be Off colour kernels.

**Grain composition** comprising of:

- Whole kernels not less than 60.0%
- Broken having the length as from 3.0 parts onward but not reaching 6.5 parts not exceeding 17.0%. Of this there may be broken having the length not reaching 3.0 parts and not passing through sieve No.7 not exceeding 1.5% and Small broken C1 not exceeding 0.5%.

- The rest shall be Head rice having the length as from 6.5 parts onward.

**Rice and matter that may be present:**

- Damaged kernels not exceeding 1.0%
- Other colour kernels not exceeding 6.0%
- Other type kernels not exceeding 1.0%

- Paddy not exceeding 10 grains per 1 kg rice

- Undeveloped kernels, Immature kernels, Other seeds and Foreign matter either singly or combined not exceeding 5.0%

## 7.2 Red colour

### (1) Prime quality

Shall have Intrinsic colour or Colour of kernels, Grain composition and matter that may be present as follows:

**Intrinsic colour or Colour of kernels** comprising of:

Kernels of entirely dark or almost entirely dark not less than 80%, the rest shall be Off colour kernels.

**Grain composition** comprising of:

- Whole kernels not less than 60.0%

- Broken having the length as from 3.0 parts onward but not reaching 6.5 parts not exceeding 17.0%. Of this there may be broken having the length not reaching 3.0 parts and not passing through sieve No. 7 not exceeding 1.5% and Small broken C1 not exceeding 0.5%.

- The rest shall be Head rice having the length as from 6.5 parts onward.

**Rice and matter that may be present:**

- Damaged kernels not exceeding 1.0%

- Other colour kernels not exceeding 6.0%

- Other type kernels not exceeding 1.0%

- Paddy not exceeding 10 grains per 1 kg rice

- Undeveloped kernels, Immature kernels, Other seeds and Foreign matter either singly or combined not exceeding 5.0%

### (2) Superb quality

Shall have Intrinsic colour or Colour of kernels, Grain composition and matter that may be present as follows:

**Intrinsic colour or Colour of kernels** comprising of:

Kernels of entirely dark or almost entirely dark not less than 65%, the rest shall be Off colour kernels.

**Grain composition** comprising of:

- Whole kernels not less than 60.0%



- Brokens having the length as from 3.0 parts onward but not reaching 6.5 parts not exceeding 17.0%. Of this there may be brokens having the length not reaching 3.0 parts and not passing through sieve No. 7 not exceeding 1.5% and Small brokens C1 not exceeding 0.5%.

- The rest shall be Head rice having the length as from 6.5 parts onward.

**Rice and matter that may be present:**

- Damaged kernels not exceeding 1.0%

- Other colour kernels not exceeding 6.0%

- Other type kernels not exceeding 1.0%

- Paddy not exceeding 10 grains per 1 kg rice

- Undeveloped kernels, Immature kernels, Other seeds and Foreign matter either singly or combined not exceeding 5.0%

**Clause 8** In case of the purchase/sale of rice as per type sample or conditions other than the specifications in Clause 6 and Clause 7 of these standards, the exporters shall specify such conditions as agreed upon by the buyer and the seller in the permit, and it shall be approved by Department of Foreign Trade.

**Clause 9** Dispute in case of any dispute or controversy relating to the various characteristics of the rice kernels, the determination of Department of Foreign Trade shall be final.

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**Notes:** The standards in Thai version are authentic and valid in case of a dispute.

EXPORT STANDARDS SPECIFICATIONS FOR BLACK, DARK PURPLE AND PURPLE RICE (NON-GLUTINOUS)

GRADES	Intrinsic colour / Colour of kernels		Size of Head rice (parts)	Size of brokens (parts)	Whole kernels	Grain composition (%)			Rice and Matter that may be present (%)					
	Entirely dark or almost entirely dark kernels	Off colour kernels				Head rice (100-Whole kernels Brokens)	Brokens & Small brokens C1		Damaged kernels	Other colour kernels	Other type kernels	Paddy (grains per 1 kg)	Undeveloped, Immature kernels, Other seeds and Foreign matter, singly or combined	
							Total (Including Brokens not passing through Sieve No. 7 and C1)	Brokens not reaching the minimum specified parts & not passing through Sieve No. 7						Small Brokens C1
Prime quality	≥80	≤20	≥7.0	≥3.5-<7.0	≥70.0	-	≤12.0	≤1.5	≤0.5	≤1.0	≤4.0	≤1.0	≤10	≤5.0
Superb quality	≥65	≤35	≥7.0	≥3.5-<7.0	≥70.0	-	≤12.0	≤1.5	≤0.5	≤1.0	≤4.0	≤1.0	≤10	≤5.0

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All types and grades of Colour rice shall have the following standards:

- (1) Moisture not exceeding 14.0%
- (2) No live insects
- (3) Long grain kernels having the average length of unbroken kernels not less than 6.2 mm.
- (4) Intrinsic colour / Colour of kernels be uniform by nature relating to that colour group

EXPORT STANDARDS SPECIFICATIONS FOR RED RICE (NON-GLUTINOUS)

GRADES	Intrinsic colour / Colour of kernels		Size of Head rice (parts)	Size of brokens (parts)	Whole kernels	Head rice (100-Whole kernels Brokens)	Grain composition (%)			Rice and Matter that may be present (%)				
	Entirely dark or almost entirely dark kernels	Off colour kernels					Total (Including Brokens not passing through Sieve No. 7 and C1)	Brokens & Small brokens C1		Damaged kernels	Other colour kernels	Other type kernels	Paddy (grains per 1 kg)	Undeveloped, Immature kernels, Other seeds and Foreign matter, singly or combined
								Brokens not reaching the minimum specified parts & not passing through Sieve No. 7	Small Brokens C1					
Prime quality	≥80	≤20	≥7.0	≥3.5-<7.0	≥70.0	-	≤12.0	≤1.5	≤0.5	≤1.0	≤4.0	≤1.0	≤10	≤5.0
Superb quality	≥65	≤35	≥7.0	≥3.5-<7.0	≥70.0	-	≤12.0	≤1.5	≤0.5	≤1.0	≤4.0	≤1.0	≤10	≤5.0

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All types and grades of Colour rice shall have the following standards:

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- (4) Intrinsic colour / Colour of kernels be uniform by nature relating to that colour group

EXPORT STANDARDS SPECIFICATIONS FOR BLACK, DARK PURPLE AND PURPLE RICE (GLUTINOUS)

GRADES	Intrinsic colour / Colour of kernels		Size of Head rice (parts)	Size of brokens (parts)	Whole kernels (100-Whole kernels Brokens)	Grain composition (%)			Rice and Matter that may be present (%)					
	Entirely dark or almost entirely dark kernels	Off colour kernels				Head rice (100-Whole kernels Brokens)	Brokens & Small brokens C1		Damaged kernels	Other colour kernels	Other type kernels	Paddy (grains per 1 kg)	Undeveloped, Immature kernels, Other seeds and Foreign matter, singly or combined	
							Total (Including Brokens not passing through Sieve No. 7 and C1)	Brokens not reaching the minimum specified parts & not passing through Sieve No. 7						Small Brokens C1
Best quality	≥30	≤70	≥6.5	≥3.0- <6.5	≥60.0	-	≤17.0	≤1.5	≤0.5	≤1.0	≤6.0	≤1.0	≤10	≤5.0
Standard quality	≥15- <30	>70- ≤85	≥6.5	≥3.0- <6.5	≥60.0	-	≤17.0	≤1.5	≤0.5	≤1.0	≤6.0	≤1.0	≤10	≤5.0

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All types and grades of Colour rice shall have the following standards:

- (1) Moisture not exceeding 14.0%
- (2) No live insects
- (3) Long grain kernels having the average length of unbroken kernels not less than 6.2 mm.
- (4) Intrinsic colour / Colour of kernels be uniform by nature relating to that colour group

EXPORT STANDARDS SPECIFICATIONS FOR RED RICE (GLUTINOUS)

GRADES	Intrinsic colour / Colour of kernels		Size of Head rice (parts)	Size of brokens (parts)	Grain composition (%)				Rice and Matter that may be present (%)					
	Entirely dark or almost entirely dark kernels	Off colour kernels			Whole kernels (100-Whole kernels Brokens)	Brokens & Small brokens C1			Damaged kernels	Other colour kernels	Other type kernels	Paddy (grains per 1 kg)	Undeveloped, immature kernels, Other seeds and Foreign matter, singly or combined	
						Total (Including Brokens not passing through Sieve No. 7 and C1)	Brokens not reaching the minimum specified parts & not passing through Sieve No. 7	Small Brokens C1						
Prime quality	≥80	≤20	≥6.5	≥3.0-<6.5	≥60.0	-	≤17.0	≤1.5	≤0.5	≤1.0	≤6.0	≤1.0	≤10	≤5.0
Superb quality	≥65	≤35	≥6.5	≥3.0-<6.5	≥60.0	-	≤17.0	≤1.5	≤0.5	≤1.0	≤6.0	≤1.0	≤10	≤5.0

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- (4) Intrinsic colour / Colour of kernels be uniform by nature relating to that colour group