

Vietnam QCVN 8-2:2011/BYT - heavy-metal limits in food

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The instrument

This page records the heavy-metal maximum levels set by Vietnam QCVN 8-2:2011/BYT - heavy-metal limits in food, the instrument of Vietnam Ministry of Health, 2011. Every value below is transcribed into the Heavy Metal Index register from the primary text and is the value an HMTc standard cites when this jurisdiction binds a certification limit. It is a record of law, not an HMTc threshold.

Transcribed into the Heavy Metal Index regulatory register from the primary text published by Vietnam Ministry of Health; a direct primary-source URL is not tracked for this instrument.

Maximum levels

All values µg/kg (ppb), in the basis the instrument states. 136 maximum levels across 6 analytes and 80 product categories, grouped by analyte and ordered by limit.

LIMIT MG/KG	BASIS	PRODUCT SCOPE	PROVISION
LEAD (PB) 45 LIMITS			
10	food as listed; source unit mg/kg or mg/l	Bottled water	QCVN 8-2:2011/BYT technical requirements table Pb row 38
10	food as listed; source unit mg/kg or mg/l	Mineral water	QCVN 8-2:2011/BYT technical requirements table Pb row 37
20	food as listed; source unit mg/kg or mg/l	Cheese products	QCVN 8-2:2011/BYT technical requirements table Pb row 3
20	food as listed; source unit mg/kg or mg/l	Condensed milk, blend of condensed skimmed milk (condensed milk) and vegetable fat (in 1000 ml of ready to use milk)	QCVN 8-2:2011/BYT technical requirements table Pb row 4

LIMIT MG/KG	BASIS	PRODUCT SCOPE	PROVISION
20	food as listed; source unit mg/kg or mg/l	Dairy fat products	QCVN 8-2:2011/BYT technical requirements table Pb row 5
20	food as listed; source unit mg/kg or mg/l	Fermented milk products	QCVN 8-2:2011/BYT technical requirements table Pb row 6
20	food as listed; source unit mg/kg or mg/l	Fluid milk products (sterilized fresh whole milk, pasteurized fresh whole milk, sterilized fresh milk, pasteurized fresh milk, sterilized milk)	QCVN 8-2:2011/BYT technical requirements table Pb row 2
20	food as listed; source unit mg/kg or mg/l	Formulae for young children aged under 36 months (ready to use products)	QCVN 8-2:2011/BYT technical requirements table Pb row 34
20	food as listed; source unit mg/kg or mg/l	Powder milk products (in 1000 ml of ready to use milk)	QCVN 8-2:2011/BYT technical requirements table Pb row 1
50	food as listed; source unit mg/kg or mg/l	Vegetable and fruit juice (including nectar, instant use)	QCVN 8-2:2011/BYT technical requirements table Pb row 36
100	food as listed; source unit mg/kg or mg/l	Animal fats and oils	QCVN 8-2:2011/BYT technical requirements table Pb row 9
100	food as listed; source unit mg/kg or mg/l	Apples	QCVN 8-2:2011/BYT technical requirements table Pb row 22
100	food as listed; source unit mg/kg or mg/l	Buffalo meat, beef, pork, sheep meat, poultry meat	QCVN 8-2:2011/BYT technical requirements table Pb row 7
100	food as listed; source unit mg/kg or mg/l	Bulb and root and tuber vegetables (excluding peeled potatoes)	QCVN 8-2:2011/BYT technical requirements table Pb row 16
100	food as listed; source unit mg/kg or mg/l	Citrus	QCVN 8-2:2011/BYT technical requirements table Pb row 21
100	food as listed; source unit mg/kg or mg/l	Fruit vegetables (excluding mushrooms)	QCVN 8-2:2011/BYT technical requirements table Pb row 13
100	food as listed; source unit mg/kg or mg/l	Margarine and vegetable oil	QCVN 8-2:2011/BYT technical requirements table Pb row 10
100	food as listed; source unit mg/kg or mg/l	Onion	QCVN 8-2:2011/BYT technical requirements table Pb row 12
100	food as listed; source unit mg/kg or mg/l	Stone fruits	QCVN 8-2:2011/BYT technical requirements table Pb row 23

LIMIT MG/KG	BASIS	PRODUCT SCOPE	PROVISION
100	food as listed; source unit mg/kg or mg/l	Tropical fruits	QCVN 8-2:2011/BYT technical requirements table Pb row 19
200	food as listed; source unit mg/kg or mg/l	Berries	QCVN 8-2:2011/BYT technical requirements table Pb row 20
200	food as listed; source unit mg/kg or mg/l	Cereal	QCVN 8-2:2011/BYT technical requirements table Pb row 18
200	food as listed; source unit mg/kg or mg/l	Legumes	QCVN 8-2:2011/BYT technical requirements table Pb row 15
200	food as listed; source unit mg/kg or mg/l	Wine	QCVN 8-2:2011/BYT technical requirements table Pb row 39
300	food as listed; source unit mg/kg or mg/l	Cruciferae (brassicaceae) (excluding kale)	QCVN 8-2:2011/BYT technical requirements table Pb row 11
300	food as listed; source unit mg/kg or mg/l	Fish fillets	QCVN 8-2:2011/BYT technical requirements table Pb row 42
300	food as listed; source unit mg/kg or mg/l	Leaf vegetables (excluding spinach)	QCVN 8-2:2011/BYT technical requirements table Pb row 14
300	food as listed; source unit mg/kg or mg/l	Mushrooms	QCVN 8-2:2011/BYT technical requirements table Pb row 17
500	food as listed; source unit mg/kg or mg/l	By-products from buffalo, cow, pig, poultry	QCVN 8-2:2011/BYT technical requirements table Pb row 8
500	food as listed; source unit mg/kg or mg/l	Crustaceans (except for brown crab meat, head and chest of lobsters and big crustaceans)	QCVN 8-2:2011/BYT technical requirements table Pb row 43
500	food as listed; source unit mg/kg or mg/l	Refined sugar	QCVN 8-2:2011/BYT technical requirements table Pb row 32
500	food as listed; source unit mg/kg or mg/l	Vinegar	QCVN 8-2:2011/BYT technical requirements table Pb row 41
1000	food as listed; source unit mg/kg or mg/l	Canned vegetables and fruits	QCVN 8-2:2011/BYT technical requirements table Pb row 26
1000	food as listed; source unit mg/kg or mg/l	Cephalopod mollusks (without internal organs)	QCVN 8-2:2011/BYT technical requirements table Pb row 45

LIMIT MG/KG	BASIS	PRODUCT SCOPE	PROVISION
1000	food as listed; source unit mg/kg or mg/l	Jam (fruit jam) and jelly	QCVN 8-2:2011/BYT technical requirements table Pb row 24
1500	food as listed; source unit mg/kg or mg/l	Bivalve mollusks	QCVN 8-2:2011/BYT technical requirements table Pb row 44
2000	food as listed; source unit mg/kg or mg/l	Cacao and cacao products (including chocolate)	QCVN 8-2:2011/BYT technical requirements table Pb row 29
2000	food as listed; source unit mg/kg or mg/l	Coffee	QCVN 8-2:2011/BYT technical requirements table Pb row 28
2000	food as listed; source unit mg/kg or mg/l	Dried vegetables and fruits	QCVN 8-2:2011/BYT technical requirements table Pb row 25
2000	food as listed; source unit mg/kg or mg/l	Honey	QCVN 8-2:2011/BYT technical requirements table Pb row 33
2000	food as listed; source unit mg/kg or mg/l	Salt	QCVN 8-2:2011/BYT technical requirements table Pb row 31
2000	food as listed; source unit mg/kg or mg/l	Sauce	QCVN 8-2:2011/BYT technical requirements table Pb row 40
2000	food as listed; source unit mg/kg or mg/l	Spices (including curry powder)	QCVN 8-2:2011/BYT technical requirements table Pb row 30
2000	food as listed; source unit mg/kg or mg/l	Tea and tea products	QCVN 8-2:2011/BYT technical requirements table Pb row 27
3000	food as listed; source unit mg/kg or mg/l	Dietary supplements	QCVN 8-2:2011/BYT technical requirements table Pb row 35
TOTAL ARSENIC (TAS) 20 LIMITS			
10	food as listed; source unit mg/kg or mg/l	Bottled water	QCVN 8-2:2011/BYT technical requirements table tAs row 18
10	food as listed; source unit mg/kg or mg/l	Natural mineral water	QCVN 8-2:2011/BYT technical requirements table tAs row 17
100	food as listed; source unit mg/kg or mg/l	Animal fats and oils	QCVN 8-2:2011/BYT technical requirements table tAs row 6
100	food as listed; source unit mg/kg or mg/l	Margarine and vegetable oil	QCVN 8-2:2011/BYT technical requirements table tAs row 7

LIMIT MG/KG	BASIS	PRODUCT SCOPE	PROVISION
200	food as listed; source unit mg/kg or mg/l	Vinegar	QCVN 8-2:2011/BYT technical requirements table tAs row 20
500	food as listed; source unit mg/kg or mg/l	Cheese products	QCVN 8-2:2011/BYT technical requirements table tAs row 3
500	food as listed; source unit mg/kg or mg/l	Common salt	QCVN 8-2:2011/BYT technical requirements table tAs row 14
500	food as listed; source unit mg/kg or mg/l	Dairy fat products	QCVN 8-2:2011/BYT technical requirements table tAs row 4
500	food as listed; source unit mg/kg or mg/l	Fermented milk products	QCVN 8-2:2011/BYT technical requirements table tAs row 5
500	food as listed; source unit mg/kg or mg/l	Fluid milk products	QCVN 8-2:2011/BYT technical requirements table tAs row 2
500	food as listed; source unit mg/kg or mg/l	Powder milk products	QCVN 8-2:2011/BYT technical requirements table tAs row 1
1000	food as listed; source unit mg/kg or mg/l	Cacao and cacao products (including chocolate)	QCVN 8-2:2011/BYT technical requirements table tAs row 11
1000	food as listed; source unit mg/kg or mg/l	Coffee	QCVN 8-2:2011/BYT technical requirements table tAs row 10
1000	food as listed; source unit mg/kg or mg/l	Curry powder	QCVN 8-2:2011/BYT technical requirements table tAs row 13
1000	food as listed; source unit mg/kg or mg/l	Dried vegetables and fruits	QCVN 8-2:2011/BYT technical requirements table tAs row 8
1000	food as listed; source unit mg/kg or mg/l	Honey	QCVN 8-2:2011/BYT technical requirements table tAs row 16
1000	food as listed; source unit mg/kg or mg/l	Sauce	QCVN 8-2:2011/BYT technical requirements table tAs row 19
1000	food as listed; source unit mg/kg or mg/l	Sugar	QCVN 8-2:2011/BYT technical requirements table tAs row 15
1000	food as listed; source unit mg/kg or mg/l	Tea and tea products	QCVN 8-2:2011/BYT technical requirements table tAs row 9

LIMIT MG/KG	BASIS	PRODUCT SCOPE	PROVISION
5000	food as listed; source unit mg/kg or mg/l	Spices (excluding curry powder)	QCVN 8-2:2011/BYT technical requirements table tAs row 12
CADMIUM (CD) 39 LIMITS			
3	food as listed; source unit mg/kg or mg/l	Bottled water	QCVN 8-2:2011/BYT technical requirements table Cd row 30
3	food as listed; source unit mg/kg or mg/l	Natural mineral water	QCVN 8-2:2011/BYT technical requirements table Cd row 29
50	food as listed; source unit mg/kg or mg/l	Aquatic products	QCVN 8-2:2011/BYT technical requirements table Cd row 38
50	food as listed; source unit mg/kg or mg/l	Buffalo meat, beef, pork, sheep meat, poultry meat	QCVN 8-2:2011/BYT technical requirements table Cd row 6
50	food as listed; source unit mg/kg or mg/l	Cruciferae (Brassicaceae)	QCVN 8-2:2011/BYT technical requirements table Cd row 10
50	food as listed; source unit mg/kg or mg/l	Fruit vegetables (excluding tomatoes and mushrooms)	QCVN 8-2:2011/BYT technical requirements table Cd row 12
50	food as listed; source unit mg/kg or mg/l	Onion	QCVN 8-2:2011/BYT technical requirements table Cd row 11
100	food as listed; source unit mg/kg or mg/l	Anchovy, tuna, two striped bream, eel, mullet, Japanese mackerel, Luvar fish, sardines, herring	QCVN 8-2:2011/BYT technical requirements table Cd row 33
100	food as listed; source unit mg/kg or mg/l	Bulb and root and tuber vegetables (excluding unpeeled potatoes and celery)	QCVN 8-2:2011/BYT technical requirements table Cd row 15
100	food as listed; source unit mg/kg or mg/l	Cereal (excluding wheat, rice, mash and germs)	QCVN 8-2:2011/BYT technical requirements table Cd row 18
100	food as listed; source unit mg/kg or mg/l	Legumes	QCVN 8-2:2011/BYT technical requirements table Cd row 14
100	food as listed; source unit mg/kg or mg/l	Stalk vegetables	QCVN 8-2:2011/BYT technical requirements table Cd row 16
200	food as listed; source unit mg/kg or mg/l	Horse meat	QCVN 8-2:2011/BYT technical requirements table Cd row 7
200	food as listed; source unit mg/kg or mg/l	Leaf vegetables	QCVN 8-2:2011/BYT technical requirements table Cd row 13

LIMIT MG/KG	BASIS	PRODUCT SCOPE	PROVISION
200	food as listed; source unit mg/kg or mg/l	Mushrooms	QCVN 8-2:2011/BYT technical requirements table Cd row 17
200	food as listed; source unit mg/kg or mg/l	Wheat	QCVN 8-2:2011/BYT technical requirements table Cd row 20
300	food as listed; source unit mg/kg or mg/l	Swordfish fillets	QCVN 8-2:2011/BYT technical requirements table Cd row 34
400	food as listed; source unit mg/kg or mg/l	White rice	QCVN 8-2:2011/BYT technical requirements table Cd row 19
500	food as listed; source unit mg/kg or mg/l	Buffalo liver, beef liver, pig liver, lamb liver, poultry liver, horse liver	QCVN 8-2:2011/BYT technical requirements table Cd row 8
500	food as listed; source unit mg/kg or mg/l	Common salt	QCVN 8-2:2011/BYT technical requirements table Cd row 25
500	food as listed; source unit mg/kg or mg/l	Crustaceans (except for brown crab meat, head and chest of lobsters and big crustaceans)	QCVN 8-2:2011/BYT technical requirements table Cd row 35
1000	food as listed; source unit mg/kg or mg/l	Buffalo kidney, beef kidney, pig kidney, sheep kidney, poultry kidney, horse kidney	QCVN 8-2:2011/BYT technical requirements table Cd row 9
1000	food as listed; source unit mg/kg or mg/l	Cacao and cacao products (including chocolate)	QCVN 8-2:2011/BYT technical requirements table Cd row 23
1000	food as listed; source unit mg/kg or mg/l	Cheese products	QCVN 8-2:2011/BYT technical requirements table Cd row 3
1000	food as listed; source unit mg/kg or mg/l	Coffee	QCVN 8-2:2011/BYT technical requirements table Cd row 22
1000	food as listed; source unit mg/kg or mg/l	Dairy fat products	QCVN 8-2:2011/BYT technical requirements table Cd row 4
1000	food as listed; source unit mg/kg or mg/l	Dietary supplements not derived from dried seaweed or seaweed products	QCVN 8-2:2011/BYT technical requirements table Cd row 28b
1000	food as listed; source unit mg/kg or mg/l	Fermented milk products	QCVN 8-2:2011/BYT technical requirements table Cd row 5
1000	food as listed; source unit mg/kg or mg/l	Fluid milk products	QCVN 8-2:2011/BYT technical requirements table Cd row 2

LIMIT MG/KG	BASIS	PRODUCT SCOPE	PROVISION
1000	food as listed; source unit mg/kg or mg/l	Honey	QCVN 8-2:2011/BYT technical requirements table Cd row 27
1000	food as listed; source unit mg/kg or mg/l	Powder milk products	QCVN 8-2:2011/BYT technical requirements table Cd row 1
1000	food as listed; source unit mg/kg or mg/l	Sauce	QCVN 8-2:2011/BYT technical requirements table Cd row 31
1000	food as listed; source unit mg/kg or mg/l	Spices (including curry powder)	QCVN 8-2:2011/BYT technical requirements table Cd row 24
1000	food as listed; source unit mg/kg or mg/l	Sugar	QCVN 8-2:2011/BYT technical requirements table Cd row 26
1000	food as listed; source unit mg/kg or mg/l	Tea and tea products	QCVN 8-2:2011/BYT technical requirements table Cd row 21
1000	food as listed; source unit mg/kg or mg/l	Vinegar	QCVN 8-2:2011/BYT technical requirements table Cd row 32
2000	food as listed; source unit mg/kg or mg/l	Bivalve mollusks	QCVN 8-2:2011/BYT technical requirements table Cd row 36
2000	food as listed; source unit mg/kg or mg/l	Cephalopod mollusks (without internal organs)	QCVN 8-2:2011/BYT technical requirements table Cd row 37
3000	food as listed; source unit mg/kg or mg/l	Dietary supplements derived from dried seaweed or seaweed products	QCVN 8-2:2011/BYT technical requirements table Cd row 28a
MERCURY, TOTAL (THG) 20 LIMITS			
1	food as listed; source unit mg/kg or mg/l	Mineral water	QCVN 8-2:2011/BYT technical requirements table tHg row 14
6	food as listed; source unit mg/kg or mg/l	Bottled water	QCVN 8-2:2011/BYT technical requirements table tHg row 15
50	food as listed; source unit mg/kg or mg/l	Cacao and cacao products (including chocolate)	QCVN 8-2:2011/BYT technical requirements table tHg row 8
50	food as listed; source unit mg/kg or mg/l	Cheese products	QCVN 8-2:2011/BYT technical requirements table tHg row 3
50	food as listed; source unit mg/kg or mg/l	Coffee	QCVN 8-2:2011/BYT technical requirements table tHg row 7

LIMIT MG/KG	BASIS	PRODUCT SCOPE	PROVISION
50	food as listed; source unit mg/kg or mg/l	Dairy fat products	QCVN 8-2:2011/BYT technical requirements table tHg row 4
50	food as listed; source unit mg/kg or mg/l	Fermented milk products	QCVN 8-2:2011/BYT technical requirements table tHg row 5
50	food as listed; source unit mg/kg or mg/l	Fluid milk products	QCVN 8-2:2011/BYT technical requirements table tHg row 2
50	food as listed; source unit mg/kg or mg/l	Honey	QCVN 8-2:2011/BYT technical requirements table tHg row 12
50	food as listed; source unit mg/kg or mg/l	Powder milk products	QCVN 8-2:2011/BYT technical requirements table tHg row 1
50	food as listed; source unit mg/kg or mg/l	Sauce	QCVN 8-2:2011/BYT technical requirements table tHg row 16
50	food as listed; source unit mg/kg or mg/l	Spices (including curry powder)	QCVN 8-2:2011/BYT technical requirements table tHg row 9
50	food as listed; source unit mg/kg or mg/l	Sugar	QCVN 8-2:2011/BYT technical requirements table tHg row 11
50	food as listed; source unit mg/kg or mg/l	Tea and tea products	QCVN 8-2:2011/BYT technical requirements table tHg row 6
50	food as listed; source unit mg/kg or mg/l	Vinegar	QCVN 8-2:2011/BYT technical requirements table tHg row 17
100	food as listed; source unit mg/kg or mg/l	Dietary supplements	QCVN 8-2:2011/BYT technical requirements table tHg row 13
100	food as listed; source unit mg/kg or mg/l	Salt	QCVN 8-2:2011/BYT technical requirements table tHg row 10
500	food as listed; source unit mg/kg or mg/l	Aquatic products	QCVN 8-2:2011/BYT technical requirements table tHg row 20
500	food as listed; source unit mg/kg or mg/l	Crustaceans (except for brown crab meat, head and chest of lobsters and big crustaceans)	QCVN 8-2:2011/BYT technical requirements table tHg row 19
1000	food as listed; source unit mg/kg or mg/l	Frogfish, catfish, tuna, eel, cardinal fish, cod, flounder (horse-tongue), marlin, sail flounder, red mullet, giant mudskipper, small cod, dogfish, skate, red-fin fish, sailfish, hairtail, scabbard fish, sea bream, shark, snake mackerel, sturgeon, swordfish	QCVN 8-2:2011/BYT technical requirements table tHg row 18
METHYLMERCURY (MEHG) 2 LIMITS			

LIMIT MG/KG	BASIS	PRODUCT SCOPE	PROVISION
500	food as listed; source unit mg/kg or mg/l	Fish (excluding carnivorous fish)	QCVN 8-2:2011/BYT technical requirements table MeHg row 1
1000	food as listed; source unit mg/kg or mg/l	Carnivorous fish (shark, swordfish, tuna, pike, etc.)	QCVN 8-2:2011/BYT technical requirements table MeHg row 2
TIN (SN) 10 LIMITS			
50000	food as listed; source unit mg/kg or mg/l	Cooked and canned meat, salted beef, treated and canned meat products in tin-uncoated packages	QCVN 8-2:2011/BYT technical requirements table Sn row 6b
150000	food as listed; source unit mg/kg or mg/l	Canned beverages	QCVN 8-2:2011/BYT technical requirements table Sn row 8
200000	food as listed; source unit mg/kg or mg/l	Cooked and canned meat, salted beef, treated and canned meat products in tin-coated packages	QCVN 8-2:2011/BYT technical requirements table Sn row 6a
250000	food as listed; source unit mg/kg or mg/l	Canned vegetables and fruits	QCVN 8-2:2011/BYT technical requirements table Sn row 7
250000	food as listed; source unit mg/kg or mg/l	Cheese products (contained in tin-coated package)	QCVN 8-2:2011/BYT technical requirements table Sn row 3
250000	food as listed; source unit mg/kg or mg/l	Dairy fat products (contained in tin-coated package)	QCVN 8-2:2011/BYT technical requirements table Sn row 4
250000	food as listed; source unit mg/kg or mg/l	Fermented milk products contained in tin-coated package	QCVN 8-2:2011/BYT technical requirements table Sn row 5
250000	food as listed; source unit mg/kg or mg/l	Fluid milk products (contained in tin-coated package)	QCVN 8-2:2011/BYT technical requirements table Sn row 2
250000	food as listed; source unit mg/kg or mg/l	Other canned products	QCVN 8-2:2011/BYT technical requirements table Sn row 9
250000	food as listed; source unit mg/kg or mg/l	Powder milk products (contained in tin-coated package)	QCVN 8-2:2011/BYT technical requirements table Sn row 1

Where HMTc cites it

Cells where this instrument holds the strictest government value in force among credible regulators, and therefore binds a published HMTc limit.

NO PUBLISHED STANDARD IS BOUND BY THIS INSTRUMENT YET

A limit recorded above binds nothing today only because another government holds a stricter value for every published cell. It may still bind later, as other jurisdictions relax or as a new subcategory is published.

How this interacts with HMTc

HMTc certification standards adopt the *strictest existing* maximum level set by any credible government, applied cell-by-cell. Where this instrument holds the strictest value for a (product, analyte) cell, it binds the HMTc limit and the standard cites this page. This page does not set or justify any HMTc threshold; it records the sovereign requirement the program measures against.

A reference page is a record of law, not an HMTc threshold. It states what a government requires; the standard page states what the program requires, and names which instrument binds each cell.