

### Certified Reference Materials

Health Sciences Authority Chemical Metrology Laboratory

Date of Issue: 27 April 2021

#### High Purity Substances

#### **Preservatives**

HRM-1002A Benzoic AcidHRM-1018A Sorbic AcidHRM-1003A Methyl ParabenHRM-1004A n-Butyl Paraben

HRM-1022A n-Propyl Paraben

#### **Artificial Sweeteners**

HRM-1009A Sodium Cyclamate

HRM-1010A Saccharin

HRM-1012A Acesulfame Potassium

**HRM-1015A** Sucralose **HRM-1019A** Aspartame

#### **Amino Acids**

HRM-1006A L-Valine
HRM-1007A L-Proline
HRM-1008A L-Leucine
HRM-1013A L-Isoleucine
HRM-1014A L-Phenylalanine

#### **Others**

**HRM-1016A\*** Carbamazepine **HRM-1017A** Benzo[a]pyrene **HRM-1026A** 4-Cumylphenol

**HRM-1027A\*** Sibutramine Hydrochloride

Monohydrate

HRM-1028A Total non-volatiles in n-butyl paraben

#### Cosmetics

#### HRM-2006A

Arsenic & Lead in Cosmetic Cream

HRM-2012A

Arsenic, Copper, Mercury & Lead in Lipstick

#### About Our CRMs

Our CRMs are produced in accordance with the requirements of ISO 17034 and ISO Guide 35. A comprehensive Certificate of Analysis (CoA) is provided with each CRM.

#### Food & Beverages

#### **Organic Contaminants**

HRM-1023A

Veterinary Drugs in Salmon Fish Tissue

#### HRM-1024A

Benz[a]anthracene and Benzo[a]pyrene in Olive Oil

#### **Inorganic Elements & Species**

HRM-2003A

Arsenic, Cadmium, Calcium & Lead in Mushroom Powder

#### HRM-2008A

Cadmium, Lead, Total Arsenic & Arsenic Species in Apple Juice

#### HRM-2013A

Arsenic, Cadmium & Lead in Herbal Material

#### Water

#### **Inorganic Elements**

HRM-2015A

Aluminium, Antimony, Arsenic, Barium, Cadmium, Calcium, Chromium, Copper, Lead, Manganese, Molybdenum, Nickel & Selenium in Water

#### Coming soon:

HRM-2016A

Mercury in Water

\* HRM-1016A and HRM-1027A are controlled as poisons under the Poisons Act in Singapore. For purchases made outside of Singapore, an authorisation letter or permit issued by the relevant local authority where the Purchaser is based is required.



# Quality Control in Clinical Chemistry





Certified Reference Materials
Chemical Metrology Laboratory, HSA

Date of Issue: 23 March 2021

## About Our Certified Reference Materials (CRMs)

HSA CRMs serve as independent quality controls for clinical laboratories. Our CRMs are produced in accordance with the requirements of ISO 17034 and ISO Guide 35.

A comprehensive Certificate of Analysis (CoA) is provided with each CRM.







#### **Human Serum**

#### HRM-3002B

Creatinine • Glucose • Total Cholesterol • HDL-Cholesterol • LDL-Cholesterol • Total Glycerides • Free Glycerol • Urea • Uric Acid

#### HRM-3005A

Cortisol

#### HRM-3006A

Testosterone

#### HRM-2002A

Sodium • Potassium • Calcium

#### HRM-2005A

Calcium • Potassium • Sodium • Magnesium • Iron • Chloride

#### HRM-2011A

Sodium • Chloride • Copper • Selenium • Phosphorous

#### **Human Urine**

#### HRM-3004A

Albumin • Creatinine

#### **Human Blood**

#### HRM-3003B

Glycated haemoglobin (HbA1c)

The CRMs are stable for a long term when stored below -60°C.