

# Global Melamine Detection Service in Dairy Products Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Melamine Detection Service in Dairy Products market size was valued at US\$ 540 million in 2025 and is forecast to a readjusted size of US\$ 766 million by 2032 with a CAGR of 5.2% during review period.

Melamine Detection Service in Dairy Products is a specialized analytical testing service designed to identify and quantify melamine residues in milk, infant formula, cheese, yogurt, and other dairy-based products. Melamine is a nitrogen-rich industrial chemical that has been illegally added to dairy products to artificially inflate protein content readings, posing serious health risks including kidney stones, urinary tract damage, and potential renal failure upon long-term exposure.

The upstream segment includes suppliers of analytical instruments (HPLC-MS/MS, GC-MS, ELISA kits, Raman spectrometers), chemical reagents, sample preparation consumables, and laboratory equipment. The midstream segment encompasses sample collection, extraction, purification, analysis, data interpretation, and report generation performed by accredited third-party testing laboratories, government food safety agencies, and in-house quality control departments of dairy manufacturers. Melamine detection services are categorized by detection method into chromatographic techniques (HPLC-MS/MS, GC-MS with limits of detection as low as 0.01 mg/kg), immunoassay techniques (ELISA for rapid screening), and spectroscopic methods (Raman, NIR); by sample type into liquid milk, powdered infant formula, cheese, yogurt, butter, and other dairy products; by service type into laboratory testing (confirmatory) and in-situ rapid testing (screening). The downstream segment serves dairy product manufacturers (quality control and export compliance), government regulatory agencies

(market surveillance and food safety enforcement), third-party certification bodies, and export/import inspection authorities.

The industry maintains gross margins between 40% and 60%, reflecting the specialized instrumentation requirements, regulatory accreditation costs, and value-added nature of food safety testing.

The global melamine detection service market for dairy products continues to maintain steady demand, driven by persistent food safety concerns, stringent regulatory standards for dairy imports and exports, and the ongoing need for quality assurance across the dairy supply chain. Following the 2008 melamine contamination crisis, global regulatory frameworks have established strict maximum residue limits for melamine in dairy products—typically 1 mg/kg for infant formula and 2.5 mg/kg for other dairy products—creating sustained demand for confirmatory testing services.

A notable trend reshaping the market is the rapid advancement of dual-mode detection technologies. Traditional single-mode detection methods face limitations in balancing sensitivity and convenience. Novel approaches combining ultraviolet-visible absorption spectroscopy with surface-enhanced Raman scattering (SERS) on a single platform have been developed, enabling both rapid screening and high-sensitivity confirmatory analysis within the same testing workflow. This dual-mode strategy leverages gold nanoparticle aggregation triggered by melamine—causing both colorimetric change and SERS signal enhancement—allowing detection limits as low as 0.1 µmol/L (12.6 µg/mL), well below regulatory thresholds.

This report is a detailed and comprehensive analysis for global Melamine Detection Service in Dairy Products market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Melamine Detection Service in Dairy Products market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Melamine Detection Service in Dairy Products market size and forecasts by

*Global Melamine Detection Service in Dairy Products Market 2026 by Company, Regions, Type and Application, For...*

region and country, in consumption value (\$ Million), 2021-2032

Global Melamine Detection Service in Dairy Products market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Melamine Detection Service in Dairy Products market shares of main players, in revenue (\$ Million), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Melamine Detection Service in Dairy Products

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Melamine Detection Service in Dairy Products market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Eurofins Scientific, SGS SA, Bureau Veritas SA, Intertek Group plc, ALS Limited, Mérieux NutriSciences, Waters Corporation, AB SCIEX, Microbac Laboratories, Inc., AsureQuality Limited, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Melamine Detection Service in Dairy Products market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Chromatographic Techniques (HPLC-MS/MS, GC-MS)

Immunoassay Techniques (ELISA, LFIA)

Spectroscopic Methods (Raman, NIR, UV-Vis)

Market segment by Technology Generation

Single-Mode Detection

Dual-Mode Detection (Optical + SERS)

Multi-Residue Screening

Market segment by Detection Limit

Low Sensitivity (>1 mg/kg)

Standard (0.1-1 mg/kg)

High Sensitivity (

## Contents

### 1 MARKET OVERVIEW

#### 1.1 Product Overview and Scope

#### 1.2 Market Estimation Caveats and Base Year

#### 1.3 Classification of Melamine Detection Service in Dairy Products by Type

##### 1.3.1 Overview: Global Melamine Detection Service in Dairy Products Market Size by Type: 2021 Versus 2025 Versus 2032

##### 1.3.2 Global Melamine Detection Service in Dairy Products Consumption Value Market Share by Type in 2025

##### 1.3.3 Chromatographic Techniques (HPLC-MS/MS, GC-MS)

##### 1.3.4 Immunoassay Techniques (ELISA, LFIA)

##### 1.3.5 Spectroscopic Methods (Raman, NIR, UV-Vis)

#### 1.4 Classification of Melamine Detection Service in Dairy Products by Technology Generation

##### 1.4.1 Overview: Global Melamine Detection Service in Dairy Products Market Size by Technology Generation: 2021 Versus 2025 Versus 2032

##### 1.4.2 Global Melamine Detection Service in Dairy Products Consumption Value Market Share by Technology Generation in 2025

##### 1.4.3 Single-Mode Detection

##### 1.4.4 Dual-Mode Detection (Optical + SERS)

##### 1.4.5 Multi-Residue Screening

#### 1.5 Classification of Melamine Detection Service in Dairy Products by Detection Limit

##### 1.5.1 Overview: Global Melamine Detection Service in Dairy Products Market Size by Detection Limit: 2021 Versus 2025 Versus 2032

##### 1.5.2 Global Melamine Detection Service in Dairy Products Consumption Value Market Share by Detection Limit in 2025

##### 1.5.3 Low Sensitivity (>1 mg/kg)

##### 1.5.4 Standard (0.1-1 mg/kg)

##### 1.5.5 High Sensitivity (

## List Of Tables

### LIST OF TABLES

Table 1. Global Melamine Detection Service in Dairy Products Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Melamine Detection Service in Dairy Products Consumption Value by Technology Generation, (USD Million), 2021 & 2025 & 2032

Table 3. Global Melamine Detection Service in Dairy Products Consumption Value by Detection Limit, (USD Million), 2021 & 2025 & 2032

Table 4. Global Melamine Detection Service in Dairy Products Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Global Melamine Detection Service in Dairy Products Consumption Value by Region (2021-2026) & (USD Million)

Table 6. Global Melamine Detection Service in Dairy Products Consumption Value by Region (2027-2032) & (USD Million)

Table 7. Eurofins Scientific Company Information, Head Office, and Major Competitors

Table 8. Eurofins Scientific Major Business

Table 9. Eurofins Scientific Melamine Detection Service in Dairy Products Product and Solutions

Table 10. Eurofins Scientific Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 11. Eurofins Scientific Recent Developments and Future Plans

Table 12. SGS SA Company Information, Head Office, and Major Competitors

Table 13. SGS SA Major Business

Table 14. SGS SA Melamine Detection Service in Dairy Products Product and Solutions

Table 15. SGS SA Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 16. SGS SA Recent Developments and Future Plans

Table 17. Bureau Veritas SA Company Information, Head Office, and Major Competitors

Table 18. Bureau Veritas SA Major Business

Table 19. Bureau Veritas SA Melamine Detection Service in Dairy Products Product and Solutions

Table 20. Bureau Veritas SA Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 21. Intertek Group plc Company Information, Head Office, and Major Competitors

Table 22. Intertek Group plc Major Business

Table 23. Intertek Group plc Melamine Detection Service in Dairy Products Product and

## Solutions

Table 24. Intertek Group plc Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 25. Intertek Group plc Recent Developments and Future Plans

Table 26. ALS Limited Company Information, Head Office, and Major Competitors

Table 27. ALS Limited Major Business

Table 28. ALS Limited Melamine Detection Service in Dairy Products Product and Solutions

Table 29. ALS Limited Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 30. ALS Limited Recent Developments and Future Plans

Table 31. Mérieux NutriSciences Company Information, Head Office, and Major Competitors

Table 32. Mérieux NutriSciences Major Business

Table 33. Mérieux NutriSciences Melamine Detection Service in Dairy Products Product and Solutions

Table 34. Mérieux NutriSciences Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 35. Mérieux NutriSciences Recent Developments and Future Plans

Table 36. Waters Corporation Company Information, Head Office, and Major Competitors

Table 37. Waters Corporation Major Business

Table 38. Waters Corporation Melamine Detection Service in Dairy Products Product and Solutions

Table 39. Waters Corporation Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 40. Waters Corporation Recent Developments and Future Plans

Table 41. AB SCIEX Company Information, Head Office, and Major Competitors

Table 42. AB SCIEX Major Business

Table 43. AB SCIEX Melamine Detection Service in Dairy Products Product and Solutions

Table 44. AB SCIEX Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 45. AB SCIEX Recent Developments and Future Plans

Table 46. Microbac Laboratories, Inc. Company Information, Head Office, and Major Competitors

Table 47. Microbac Laboratories, Inc. Major Business

Table 48. Microbac Laboratories, Inc. Melamine Detection Service in Dairy Products Product and Solutions

Table 49. Microbac Laboratories, Inc. Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 50. Microbac Laboratories, Inc. Recent Developments and Future Plans

Table 51. AsureQuality Limited Company Information, Head Office, and Major Competitors

Table 52. AsureQuality Limited Major Business

Table 53. AsureQuality Limited Melamine Detection Service in Dairy Products Product and Solutions

Table 54. AsureQuality Limited Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 55. AsureQuality Limited Recent Developments and Future Plans

Table 56. PONY Testing International Group Company Information, Head Office, and Major Competitors

Table 57. PONY Testing International Group Major Business

Table 58. PONY Testing International Group Melamine Detection Service in Dairy Products Product and Solutions

Table 59. PONY Testing International Group Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 60. PONY Testing International Group Recent Developments and Future Plans

Table 61. Centre Testing International Group (CTI) Company Information, Head Office, and Major Competitors

Table 62. Centre Testing International Group (CTI) Major Business

Table 63. Centre Testing International Group (CTI) Melamine Detection Service in Dairy Products Product and Solutions

Table 64. Centre Testing International Group (CTI) Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 65. Centre Testing International Group (CTI) Recent Developments and Future Plans

Table 66. Guangzhou GRG Metrology & Test Co., Ltd. Company Information, Head Office, and Major Competitors

Table 67. Guangzhou GRG Metrology & Test Co., Ltd. Major Business

Table 68. Guangzhou GRG Metrology & Test Co., Ltd. Melamine Detection Service in Dairy Products Product and Solutions

Table 69. Guangzhou GRG Metrology & Test Co., Ltd. Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 70. Guangzhou GRG Metrology & Test Co., Ltd. Recent Developments and Future Plans

Table 71. Beijing Inspection Institute of Chemical Engineering Company Information, Head Office, and Major Competitors

Table 72. Beijing Inspection Institute of Chemical Engineering Major Business

Table 73. Beijing Inspection Institute of Chemical Engineering Melamine Detection Service in Dairy Products Product and Solutions

Table 74. Beijing Inspection Institute of Chemical Engineering Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 75. Beijing Inspection Institute of Chemical Engineering Recent Developments and Future Plans

Table 76. TUV SUD Company Information, Head Office, and Major Competitors

Table 77. TUV SUD Major Business

Table 78. TUV SUD Melamine Detection Service in Dairy Products Product and Solutions

Table 79. TUV SUD Melamine Detection Service in Dairy Products Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 80. TUV SUD Recent Developments and Future Plans

Table 81. Global Melamine Detection Service in Dairy Products Revenue (USD Million) by Players (2021-2026)

Table 82. Global Melamine Detection Service in Dairy Products Revenue Share by Players (2021-2026)

Table 83. Breakdown of Melamine Detection Service in Dairy Products by Company Type (Tier 1, Tier 2, and Tier 3)

Table 84. Market Position of Players in Melamine Detection Service in Dairy Products, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 85. Head Office of Key Melamine Detection Service in Dairy Products Players

Table 86. Melamine Detection Service in Dairy Products Market: Company Product Type Footprint

Table 87. Melamine Detection Service in Dairy Products Market: Company Product Application Footprint

Table 88. Melamine Detection Service in Dairy Products New Market Entrants and Barriers to Market Entry

Table 89. Melamine Detection Service in Dairy Products Mergers, Acquisition, Agreements, and Collaborations

Table 90. Global Melamine Detection Service in Dairy Products Consumption Value (USD Million) by Type (2021-2026)

Table 91. Global Melamine Detection Service in Dairy Products Consumption Value Share by Type (2021-2026)

Table 92. Global Melamine Detection Service in Dairy Products Consumption Value Forecast by Type (2027-2032)

Table 93. Global Melamine Detection Service in Dairy Products Consumption Value by

Application (2021-2026)

Table 94. Global Melamine Detection Service in Dairy Products Consumption Value Forecast by Application (2027-2032)

Table 95. North America Melamine Detection Service in Dairy Products Consumption Value by Type (2021-2026) & (USD Million)

Table 96. North America Melamine Detection Service in Dairy Products Consumption Value by Type (2027-2032) & (USD Million)

Table 97. North America Melamine Detection Service in Dairy Products Consumption Value by Application (2021-2026) & (USD Million)

Table 98. North America Melamine Detection Service in Dairy Products Consumption Value by Application (2027-2032) & (USD Million)

Table 99. North America Melamine Detection Service in Dairy Products Consumption Value by Country (2021-2026) & (USD Million)

Table 100. North America Melamine Detection Service in Dairy Products Consumption Value by Country (2027-2032) & (USD Million)

Table 101. Europe Melamine Detection Service in Dairy Products Consumption Value by Type (2021-2026) & (USD Million)

Table 102. Europe Melamine Detection Service in Dairy Products Consumption Value by Type (2027-2032) & (USD Million)

Table 103. Europe Melamine Detection Service in Dairy Products Consumption Value by Application (2021-2026) & (USD Million)

Table 104. Europe Melamine Detection Service in Dairy Products Consumption Value by Application (2027-2032) & (USD Million)

Table 105. Europe Melamine Detection Service in Dairy Products Consumption Value by Country (2021-2026) & (USD Million)

Table 106. Europe Melamine Detection Service in Dairy Products Consumption Value by Country (2027-2032) & (USD Million)

Table 107. Asia-Pacific Melamine Detection Service in Dairy Products Consumption Value by Type (2021-2026) & (USD Million)

Table 108. Asia-Pacific Melamine Detection Service in Dairy Products Consumption Value by Type (2027-2032) & (USD Million)

Table 109. Asia-Pacific Melamine Detection Service in Dairy Products Consumption Value by Application (2021-2026) & (USD Million)

Table 110. Asia-Pacific Melamine Detection Service in Dairy Products Consumption Value by Application (2027-2032) & (USD Million)

Table 111. Asia-Pacific Melamine Detection Service in Dairy Products Consumption Value by Region (2021-2026) & (USD Million)

Table 112. Asia-Pacific Melamine Detection Service in Dairy Products Consumption Value by Region (2027-2032) & (USD Million)

Table 113. South America Melamine Detection Service in Dairy Products Consumption Value by Type (2021-2026) & (USD Million)

Table 114. South America Melamine Detection Service in Dairy Products Consumption Value by Type (2027-2032) & (USD Million)

Table 115. South America Melamine Detection Service in Dairy Products Consumption Value by Application (2021-2026) & (USD Million)

Table 116. South America Melamine Detection Service in Dairy Products Consumption Value by Application (2027-2032) & (USD Million)

Table 117. South America Melamine Detection Service in Dairy Products Consumption Value by Country (2021-2026) & (USD Million)

Table 118. South America Melamine Detection Service in Dairy Products Consumption Value by Country (2027-2032) & (USD Million)

Table 119. Middle East & Africa Melamine Detection Service in Dairy Products Consumption Value by Type (2021-2026) & (USD Million)

Table 120. Middle East & Africa Melamine Detection Service in Dairy Products Consumption Value by Type (2027-2032) & (USD Million)

Table 121. Middle East & Africa Melamine Detection Service in Dairy Products Consumption Value by Application (2021-2026) & (USD Million)

Table 122. Middle East & Africa Melamine Detection Service in Dairy Products Consumption Value by Application (2027-2032) & (USD Million)

Table 123. Middle East & Africa Melamine Detection Service in Dairy Products Consumption Value by Country (2021-2026) & (USD Million)

Table 124. Middle East & Africa Melamine Detection Service in Dairy Products Consumption Value by Country (2027-2032) & (USD Million)

Table 125. Global Key Players of Melamine Detection Service in Dairy Products Upstream (Raw Materials)

Table 126. Global Melamine Detection Service in Dairy Products Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Melamine Detection Service in Dairy Products Picture
- Figure 2. Global Melamine Detection Service in Dairy Products Consumption Value by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Melamine Detection Service in Dairy Products Consumption Value Market Share by Type in 2025
- Figure 4. Chromatographic Techniques (HPLC-MS/MS, GC-MS)
- Figure 5. Immunoassay Techniques (ELISA, LFIA)
- Figure 6. Spectroscopic Methods (Raman, NIR, UV-Vis)
- Figure 7. Global Melamine Detection Service in Dairy Products Consumption Value by Technology Generation, (USD Million), 2021 & 2025 & 2032
- Figure 8. Global Melamine Detection Service in Dairy Products Consumption Value Market Share by Technology Generation in 2025
- Figure 9. Single-Mode Detection
- Figure 10. Dual-Mode Detection (Optical + SERS)
- Figure 11. Multi-Residue Screening
- Figure 12. Global Melamine Detection Service in Dairy Products Consumption Value by Detection Limit, (USD Million), 2021 & 2025 & 2032
- Figure 13. Global Melamine Detection Service in Dairy Products Consumption Value Market Share by Detection Limit in 2025
- Figure 14. Low Sensitivity (>1 mg/kg)
- Figure 15. Standard (0.1-1 mg/kg)
- Figure 16. High Sensitivity (

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