

# **The World Market for Stable Isotopes, Stable Compounds, and Rare-earth Metal Compounds or Mixtures of Yttrium or Scandium: A 2021 Global Trade Perspective**

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## **Abstracts**

This report was created for strategic planners, international executives, and import/export managers who are concerned with the market for stable isotopes, stable compounds, and rare-earth metal compounds or mixtures of yttrium or scandium. With the globalization of this market, managers can no longer be contented with a local view. Nor can managers be contented with out-of-date statistics that appear several years after the fact. I have developed a methodology, based on macroeconomic and trade models, to estimate the market for stable isotopes, stable compounds, and rare-earth metal compounds or mixtures of yttrium or scandium for those countries serving the world market via exports or supplying from various countries via imports. I do so for the current year based on a variety of key historical indicators and econometric models.

On the demand side, exporters and strategic planners approaching the world market face a number of questions. Which countries are supplying stable isotopes, stable compounds, and rare-earth metal compounds or mixtures of yttrium or scandium? What is the dollar value of these imports? How much do the imports of stable isotopes, stable compounds, and rare-earth metal compounds or mixtures of yttrium or scandium vary from one country to another? Do exporters serving the world market have similar market shares across the importing countries? Which countries supply the most exports of stable isotopes, stable compounds, and rare-earth metal compounds or mixtures of yttrium or scandium? Which countries are buying their exports? What is the value of these exports and which countries are the largest buyers?

In what follows, Chapter 2 begins by summarizing the regional markets for imported and

exported stable isotopes, stable compounds, and rare-earth metal compounds or mixtures of yttrium or scandium. The total level of imports and exports on a worldwide basis, and those for each region, is based on a model which aggregates across over 150 key country markets and projects these to the current year. From there, each country represents a percent of the world market. This market is served from a number of competitive countries of origin. Based on both demand- and supply-side dynamics, market shares by country of origin are then calculated across each country market destination. These shares lead to a volume of import and export values for each country and are aggregated to regional and world totals. In doing so, we are able to obtain maximum likelihood estimates of both the value of each market and the shares that countries are likely to receive this year. From these figures, rankings are calculated to allow managers to prioritize markets. In this way, all the figures provided in this report are forecasts that can be combined with internal information for strategic planning purposes.

After the worldwide summary in Chapter 2 of both imports and exports, Chapter 3 details the exports of stable isotopes, stable compounds, and rare-earth metal compounds or mixtures of yttrium or scandium, for each individual country. Chapter 4 does the same, but for imports of stable isotopes, stable compounds, and rare-earth metal compounds or mixtures of yttrium or scandium for all countries in the world. In all cases, the total dollar volume and percentage share values by major trading partner are provided. Combined, Chapters 3 and 4 present the complete picture for imports and exports of stable isotopes, stable compounds, and rare-earth metal compounds or mixtures of yttrium or scandium to and from all major countries in the world. Of the 150 countries considered, if a country is not reported here, it is therefore estimated to have only a negligible level of trade in stable isotopes, stable compounds, and rare-earth metal compounds or mixtures of yttrium or scandium (i.e. their market shares are close or equal to zero percent). 'Stable Isotopes, Stable Compounds, and Rare-earth Metal Compounds or Mixtures of Yttrium or Scandium' as a category is defined in this report following the definition given by the United Nations Statistics Division Classification Registry using the Standard International Trade Classification, Revision 3 (SITC, Rev. 3). The SITC code that defines 'stable isotopes, stable compounds, and rare-earth metal compounds or mixtures of yttrium or scandium' is 5259.

**Important Caveat:** The figures should be seen as market estimates, as opposed to historical records, as these are forecasted for the current year of trade. More importantly, in light of the fact that unforeseeable factors might interrupt markets in achieving their reported levels, the figures should be seen as estimates of potential. For example, 'mad cow' disease, foot-and-mouth disease, trade embargoes, labor disputes,

military conflicts, acts of terrorism, and other events will certainly affect the actual trade flows recorded for a variety of industry or product categories. In such cases, the difference between the numbers given in this report and the numbers actually observed might be interpreted as the 'net loss' or 'net gain' due to these exogenous events affecting regular trade flows that would have occurred had these events not have taken place.

**Related Reports:** This report was created for the market for stable isotopes, stable compounds, and rare-earth metal compounds or mixtures of yttrium or scandium. Closely related reports published by ICON Group include the following:

The World Market for Aluminum Hydroxide: A 2021 Global Trade Perspective

The World Market for Ammonium Chloride: A 2021 Global Trade Perspective

The World Market for Anhydrous Ammonia or Ammonia in Aqueous Solution: A 2021 Global Trade Perspective

The World Market for Artificial Corundum: A 2021 Global Trade Perspective

The World Market for Borates and Peroxoborates (Perborates): A 2021 Global Trade Perspective

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The World Market for Cyanides, Cyanide Oxides, and Complex Cyanides: A 2021 Global Trade Perspective

The World Market for Diphosphorus Pentoxide, Phosphoric Acid, and Polyphosphoric Acids: A 2021 Global Trade Perspective

The World Market for Dithionites and Sulfoxylates: A 2021 Global Trade Perspective

The World Market for Fluorine, Bromine, and Iodine: A 2021 Global Trade Perspective

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The World Market for Hydrogen Chloride, Hydrochloric Acid, and Chlorosulfuric Acid: A 2021 Global Trade Perspective

The World Market for Hydrogen Peroxide: A 2021 Global Trade Perspective

The World Market for Hydrogen, Rare Gases, Nitrogen, and Oxygen: A 2021 Global Trade Perspective

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The World Market for Inorganic Acids and Inorganic Oxygen Compounds of Nonmetals: A 2021 Global Trade Perspective

The World Market for Inorganic or Organic Rare-Earth Metal Compounds or Yttrium or Scandium Mixtures: A 2021 Global Trade Perspective

The World Market for Inorganic or Organic Stable Isotopes and Their Compounds: A 2021 Global Trade Perspective

The World Market for Iron Oxides, Iron Hydroxides, and Earth Colors of 70% or More Combined Iron Evaluated as  $\text{Fe}_2\text{O}_3$  by Weight: A 2021 Global Trade Perspective

The World Market for Irradiated Fuel Cartridges of Nuclear Reactors: A 2021 Global Trade Perspective

The World Market for Magnesium Hydroxide, Magnesium Peroxide, and Oxides, Hydroxides, and Peroxides of Strontium or Barium: A 2021 Global Trade Perspective

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