



The World's First Marine Iron

THE TRULY GENTLE IRON



A PRODUCT FROM LERØY
SEAFOOD GROUP



FROM NORWEGIAN
SALMON

SalmoFer® A New
Standard in Gentle Iron

SalmoFer® is truly gentle iron
combined with great performance.
It also stands out with its origin –
the world’s first marine-based iron.

www.salmofer.com



SalmoFer®
White Label



SalmoFer®
Bulk



SalmoFer®
Ingredient

*“After years of development, we’re proud to introduce SalmoFer®
– the world’s first marine-based iron ingredient. And of course,
it’s based on the best form of iron: heme iron”*

– Mats Trones, Head of 100%Fish, Lerøy



The Norwegian Seafood Pioneer - Since 1899



Lerøy Seafood Group

SalmoFer® is developed by Lerøy Seafood Group, one of the world’s leading seafood companies with over 120 years of experience in sustainable Norwegian Sefood. The Group’s core business is the production of salmon and trout, catches of whitefish, processing, product development, marketing, sale and distribution of seafood. Every single day, all year round, our about 6,000 employees deliver seafood corresponding to five million meals. We have an extensive range of sustainable, healthy products served on tables in more than 80 different countries. We are proud suppliers of seafood to customers worldwide, and our deliveries correspond to 1.75 billion meals every year.

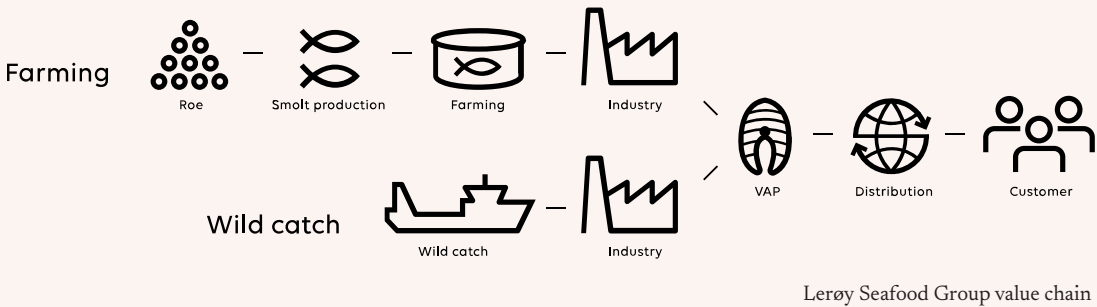
Sustainability in focus

Several independent assessments have shown that Lerøy is one of the best in terms of sustainability. Lerøy was named the second most sustainable

protein producer globally by the Colter FAIRR Protein Producer Index (2024/2025) — a leading benchmark evaluating the ESG performance of the world’s 60 largest meat, dairy, and aquaculture companies. This recognition reflects decades of systematic work, innovation, and responsibility across the entire group.

100%Fish: utilizing our marine sources

To unlock even more value from the ocean, Lerøy established 100%Fish — an innovation unit dedicated to developing premium health ingredients from our unique, high-quality marine materials. 100%Fish reflects Lerøy’s long-term commitment to sustainability, full resource utilization, and innovation beyond traditional seafood. Our flagship development is SalmoFer® — the world’s first marine-based iron ingredient, derived from our premium and sustainable Atlantic Salmon.



Why the World Struggles With Iron Deficiency – Even in a World Full of Supplements

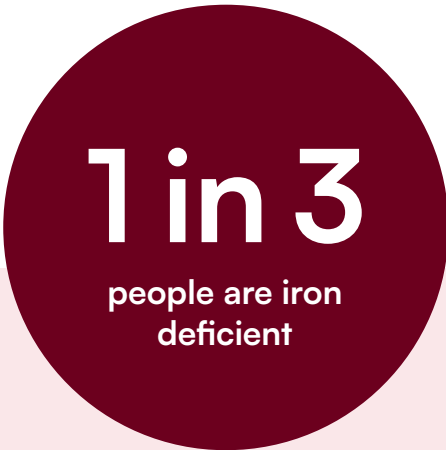
Iron is essential for life

It fuels oxygen transport, supports red blood cell formation, contributes to cognitive and immune function, and helps maintain energy metabolism and physical performance. Yet, iron deficiency remains one of the most common and underdiagnosed nutritional deficiencies worldwide.^{1, 2}

Subtle symptoms — fatigue, reduced concentration, poor sleep, and lowered immunity — can quietly erode wellbeing and productivity.⁹

Mild deficiencies, real impact

While severe iron deficiency anemia is well recognized, mild and moderate deficiencies often go unnoticed.⁸



Iron deficiency hits hard — and wide



Well-known Side Effects From Traditional Iron Supplements

Traditional iron supplements typically rely on non-heme iron — a form the body absorbs inefficiently.¹⁰ While inexpensive and widely available, this type of iron comes with clear limitations.

As a result, up to 50% of users report gastrointestinal side effects — including nausea, cramps, and constipation, leading many to stop taking their supplements altogether.¹²

Because of its poor absorption, higher doses are often required. But this comes at a cost: excess unabsorbed iron can remain in the gut, where it may trigger inflammation, oxidative stress, and disrupt the gut microbiome.^{1, 10, 11}

For many, this becomes a frustrating trade-off: they want the benefits of iron, but not the discomfort.



Unlike traditional non-heme iron salts, which can irritate the gastrointestinal lining and leave behind free iron, heme iron is efficiently absorbed and leaves minimal unabsorbed residue in the gut.

Effective at lower doses — with fewer side effects
While non-heme iron salts often leave unabsorbed residues that cause gastrointestinal discomfort, heme iron is naturally absorbed with greater efficiency and delivers results at smaller doses.¹⁴

- This results in:
- Less strain on the gut
 - Fewer gastrointestinal complaints
 - Better tolerability and long-term compliance

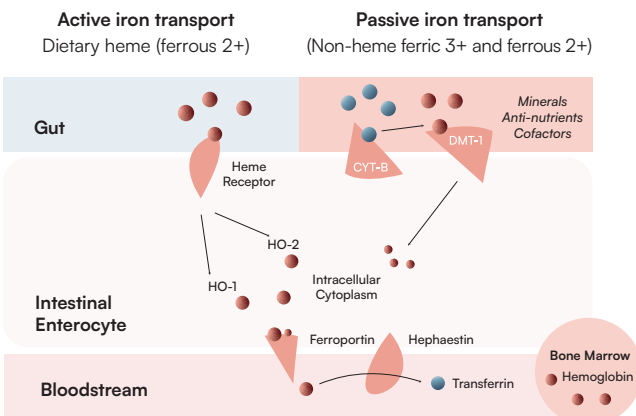


Figure 1: Active vs Passive Iron Transport Heme iron uses a specialized absorption mechanism that avoids the limitations of non-heme iron, including dietary interference.

Type of Iron Matters – Why Heme Iron is the Smarter Choice

Iron exists in different forms. The form of iron you choose directly impacts absorption, tolerability and effectiveness — which is why it matters that SalmoFer® is a heme iron—based ingredient.

Better absorbed — designed for human biology
Heme iron is the form naturally found in meat and fish — and the form our bodies are biologically designed to absorb.

Unlike non-heme iron, which is absorbed through passive transport, heme iron follows a **dedicated and efficient absorption pathway**.¹

Heme Iron enters intestinal cells either through heme-specific receptors or via enzymatic breakdown by heme oxygenase enzymes. The iron is then transported into the bloodstream and delivered where it's needed. See figure 1 on the next page.

Because it bypasses dietary inhibitors like phytates, calcium and polyphenols, heme iron provides more consistent and **2—3 times greater bioavailability than non-heme iron**.^{1, 13}

Excellent safety profile — gentle on the gut
Heme iron has been part of the human diet for millennia, and is extensively studied in clinical research. It is recognized as safe and well tolerated, even at higher doses.¹⁵

Unlike traditional non-heme iron salts, which can irritate the gastrointestinal lining and leave behind free iron, heme iron is efficiently absorbed and leaves minimal unabsorbed residue in the gut.^{16, 17} See figure 2 on the right.

- This matters — because free iron can trigger:
- Gut inflammation
 - Oxidative stress
 - Growth of harmful bacteria like E. coli and Salmonella
 - Suppression of beneficial bacteria like Lactobacillus¹⁷

By avoiding this, heme iron helps maintain a healthy microbiome and is especially suitable for people with sensitive digestion.

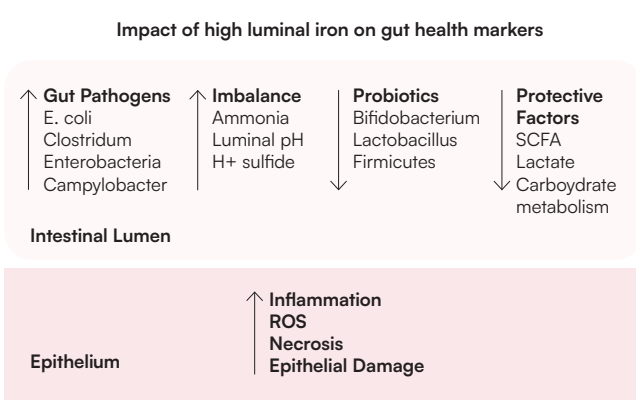


Figure 2: Iron and the Gut Microbiota Non-heme iron leaves free iron in the gut, promoting dysbiosis and inflammation. Heme iron leaves less free iron, helping preserve a healthy microbiome.



Naturally regulated by the body

Heme iron absorption is naturally balanced by the body's own regulatory system. In contrast to non-heme iron, which can be absorbed in excess and influenced by dietary and physiological factors, heme iron follows a stable pathway that reflects the body's iron needs. This built-in regulation helps ensure that the right amount of iron is absorbed — supporting balance and safety.^{1, 8, 19, 20}

This matters because maintaining the right iron balance supports:

- Reduced risk of unnecessary iron accumulation
- Better protection against oxidative stress
- Nutritional safety in sensitive populations



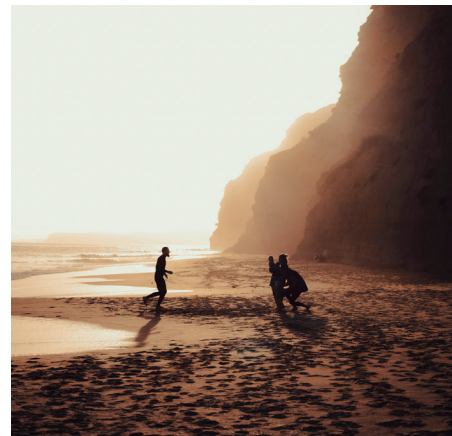
Flexible for everyday use

Non-heme iron absorption is highly influenced by diet, and is advised to be taken with specific foods and under ideal conditions to be absorbed. Heme iron can be taken with or without food — and still be effective.^{1, 21}

Its unique absorption pathway makes it:

- Independent of stomach acidity
- Unaffected by common dietary inhibitors
- Compatible with any daily routine

This flexibility helps ensure consistent use, contributing to fewer missed doses — and fewer side effects.



Enhances non-heme iron absorption

In addition to working exceptionally well on its own, heme iron also enhances the absorption of non-heme iron when consumed together, a well-documented effect known as the “meat factor.”^{1, 22}

This synergy makes heme iron an ideal choice for:

- Standalone supplements
- Combination formulations
- Fortified foods



Clinical Study Insights – SalmoFer® (2025)

SalmoFer® was evaluated in a 2-arm, open-label clinical study including 61 premenopausal women (aged 23–42) diagnosed with iron deficiency (ID) or iron deficiency anemia (IDA).

Participants received a single 9 mg dose of SalmoFer®, followed by 6 mg daily for 8 weeks.



The results demonstrated clear benefits:

Rapid iron response

- Approximately 25% increase in serum iron within 24 hours after a single dose

Excellent tolerability

- No adverse events reported during the study period

Improved iron status after 8 weeks

- Ferritin increased by 32% overall
- Up to 130% increase in ferritin in the anemic subgroup (IDA)
- Total iron increased by 16% overall
- Up to 41% increase in total iron in the IDA subgroup



These preliminary results highlight SalmoFer's ability to deliver meaningful improvements in iron status — especially in women with iron deficiency anemia, while demonstrating excellent tolerability at low daily doses.

SalmoFer® A New Standard in Gentle Iron

SalmoFer® is truly gentle iron combined with great performance. It also stands out with its origin – the world’s first marine-based iron. This natural and sustainable ingredient meets the needs of modern consumers and the innovation goals of forward-looking supplement brands.

SalmoFer® is scienced-backed, better tolerated, and ideal for daily use – even on an empty stomach. It allows brand owners to deliver iron benefits without the compromises typically associated with iron supplements.



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Why Choose SalmoFer®

- 1 Truly Gentle Iron with great performance**
 SalmoFer® delivers the iron your body needs, without the side effects your customers fear. Its natural, heme-bound form follows the body’s preferred absorption pathway and leaves little unabsorbed iron in the gut. This translates to fewer gastrointestinal side effects, such as constipation, nausea, or bloating — consequently improving adherence.
- 2 Excellent safety profile backed by nature and science**
 Heme iron has been safely consumed for thousands of years and is extensively documented in scientific literature. SalmoFer® preserves this natural form, and in our clinical trial no gastrointestinal side effects or any other adverse events were reported, even when taken on an empty stomach. It’s safe, familiar, and proven.
- 3 The world’s first marine iron with a unique story to tell**
 Sourced from Norwegian salmon, a symbol of purity and health, SalmoFer® is the first marine-based iron ingredient ever developed. It offers a fresh story of origin, clean-label positioning, and a premium narrative that stands out.
- 4 Natural, whole food iron preserved as nature intended**
 Most iron supplements are made in a lab: chemically synthesized, bound to artificial carriers, or enzymatically modified. Even some heme-based products lose their natural structure along the way. SalmoFer® is different. No synthetic processing. No artificial additives. Just clean, food-based iron that is naturally effective and truly unmodified.
- 5 Flexible and practical iron that fits real life**
 Unlike traditional iron supplements, SalmoFer® can be taken with or without food, at any time of day, without compromising absorption or causing discomfort. This flexibility supports daily compliance and user satisfaction.
- 6 Regulatory approval - ready for use**
 Regulatory acceptance in key markets makes it easy for brand owners to move quickly. SalmoFer® is considered to be non-novel food in the EU and self-affirmed GRAS (Generally Recognized as Safe) in the US, reflecting its origin from a traditionally consumed food source.

Salmofer® provides a multi-category opportunity

- Women’s Health
- Prenatal & Postnatal Nutrition
- Iron Deficiency & Anemia Support
- Healthy Aging
- Children & Adolescent Health
- Active & Sports Nutrition
- Restricted Diets
- Sensitive GI Needs
- Cognitive & Immune Support
- Fortified & Functional Foods
- Clinical & Specialized Nutrition



The Iron Supplement Market: Ready for Growth



Iron deficiency is one of the most widespread nutritional issues globally — affecting around 1 in 3 people.¹ Yet despite this enormous need, the iron supplement market remains significantly underdeveloped.

The global iron supplement market is valued at approximately \$4.2 billion, accounting for just over 2% of the \$190 billion global dietary supplement market. Its growth rate around 3.8% annually, is less than half that of the broader supplement sector (8%).^{23, 24} This gap reveals substantial untapped potential and significant growth opportunities.

Why the gap?

Traditional iron supplements cause poor tolerability and show variable efficacy. Side effects such as

constipation, nausea, and abdominal discomfort are very common, leading many individuals to discontinue use. This ongoing gap between clinical need and user adherence highlights the demand for a more tolerable and effective form of iron.²⁵ This disconnect between widespread need and limited adoption signals a clear opportunity: A better iron could unlock growth in a stagnant category.

Unlocking the iron opportunity

SalmoFer® inherently meet the needs that traditional iron supplements have failed to address. SalmoFer® is truly gentle iron combined with great performance. It also stands out with its origin — the world's first marine-based iron. This natural and sustainable ingredient meets the needs of consumers and the innovation goals of forward-looking supplement brands.

This gap reveals substantial untapped potential and significant growth opportunities

\$4.2 Billion

The global iron supplement market is valued at \$4.2 billion

2%

Just 2% of the \$190 billion dietary supplement market

4%

Only half of the average growth rate compared to the broader dietary supplement sector

1 in 3

Today's iron supplement market falls short of addressing the need affecting 1 in 3 people globally



Will Your Brand Be Part of the Iron Revolution?

We're partnering with forward-looking brands to unlock the untapped potential in the iron supplement market.

SalmoFer® is available as a flowable powder, with flexible formats for bulk capsules, tablets, and white-label products.

Let's bring better iron to market — together.



SalmoFer®
Ingredient



SalmoFer®
Bulk



SalmoFer®
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Contact us to learn more about SalmoFer®, and how it can strengthen your portfolio.

Email: contact@salmofer.com
Web: www.salmofer.com

We're here to support your product development, answer technical questions, and provide the documentation you need.



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