

**CHRISTOPHER CHARLES ELLYATT**

BSc (Hons), MRSB, MIFST, MISTC

Senior Scientist

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Chris Ellyatt is a scientist with a BSc (Hons) Degree in Biology from the University of St Andrews. Prior to joining Brookes Bell in 2022, Chris worked for seven years for another leading marine consultancy based in London, specialising in forensic investigation of marine cargo related incidents.

As a cargo scientist, he has extensive expertise and hands-on experience in bulk and packaged agricultural commodities, including bulk grain, feeds, frozen and fresh cargoes in Europe, North and South America, Africa and Asia. Specifically, he has comprehensive experience and knowledge with soya beans, maize / corn, wheat, bagged and bulk rice, seedcakes (including Distillers' Dried Grains with Solubles [DDGS] and soya bean meal [SBM]), bagged and bulk sugar, coffee and other dry cargoes. Chris has also performed and managed on-site sampling and inspections of citrus fruits, bananas and fish in addition to the cause and effects of wetting and mould damage to product packaging.

Since becoming a Marine Consultant, Chris has worked on a wide variety of vessel types, including geared and non-geared bulkers, reefer vessels, container ships and barges. He has also performed many inspections and sampling operations in shoreside facilities such as warehouses, processing facilities, factories, container yards and silos. Typical issues that Chris has dealt with have included wetting, mould growth, self-heating, fumigation issues, fire and explosions, cargo liquefaction, physical and biological contamination, mycotoxins, infestations, inherent vice, quality issues and shortage. Chris is familiar with the sampling protocols of many commodities, including those of GAFTA, ISO and FOSFA, often advising clients on analysis methods and interpretation of results.

Furthermore, Chris has experience in authoring expert reports and has given evidence as an expert witness during court proceedings in China, ultimately contributing towards a favourable judgement for his client. He believes in providing clear, productive and pragmatic advice to his clients and presenting the details of a situation in a concise and accurate manner to achieve practical outcomes.

Chris is a fully elected member of the Royal Society of Biology, the Institute of Scientific and Technical Communicators and the Institute of Food Science and Technology. He has also been selected as a volunteer member of the Institute of Food Science and Technology Scientific Committee.

Academic Qualifications

BSc (Hons) in Biology (University of St Andrews, Scotland)

Professional Memberships

Member of the Royal Society of Biology.

Member of the Institute of Food Science and Technology.

Member of the Institute of Scientific and Technical Communicators.

Surveying and Consultancy Employment

Managing Scientist at Brookes Bell.

CWA International Ltd (UK) – Scientist in the Food and Agricultural Commodities Department.

Surveying and Consultancy Experience

Survey and consultancy examples include, but not limited to:

- Damage to soya bean cargoes in China, Brazil, Egypt, Italy, Spain and the US.
- Transshipment operation of soya beans in South Africa.
- On board and warehouse inspections of bagged and bulk rice cargoes in Thailand, Guinea, Liberia and Puerto Rico.
- Wet damage and odour issues to wheat cargoes in Bangladesh and Spain.
- Inspections and sampling of wheat cargo in Egypt and fumigation explosion.
- Surveys and sampling operations in maize / corn cargoes both on board and in warehouses in Egypt.
- Inspections, sampling and analysis to a cargo of DDGS in Egypt after cargo fire.
- Inspections of breakbulk frozen fish in Ghana following grounding of vessel.
- Joint inspections and sampling of bagged sugar cargoes in Kenya and Sudan.
- Joint inspection of containerised and break-bulk cargoes of citrus fruits, including oranges, mandarins, lemons and grapefruit in the Netherlands.
- Sampling and inspection of soya bean meal (SBM) in Gdynia, Poland after voyage delay.
- Joint inspections of banana cargoes both on board, in warehouses and at ripening facilities in Poland and Slovenia, examining chill damage (UPD), mixed ripening and various infections.
- Representative sampling and inspection of bagged raw green coffee beans in Slovenia.
- On-board and shoreside inspections of mould damaged packaging to apple juice concentrate in Delaware and Massachusetts, USA.
- Cargo liquefaction of a novel bulk cargo in Tunisia.