

Safeguarding the future of the feed supply chain

Over the past years, the feed industry has been impacted by a significant amount of foreign animal diseases (bird flu, Type A Influenza, HPAI, LPAI, H5N8). Foreign animal diseases, unfortunately, tend to be the new 'risk' that the feed industry and the feed supply chain will be invited to confront. The last year has been quite challenging in regard to foreign animal diseases and specifically the African Swine Fever. During this time, a lot of opinions have been published creating a bit of confusion in the market and partial disruption of the feed supply chain. However, we have to consider that *'feed is just one of many potential vehicles for disease transmission – but, if pathogens enter the feed supply chain, the probability of infection is almost certain. Dr. Cassie Jones Dept. Animal Sciences & Industry'*. Taking this into consideration, the blame strategy among the various stakeholders cannot help in preventing pathogens from entering the supply chain. Each stakeholder needs to assume their responsibility as part of the feed and food chain and further support the security of the supply chain through collaboration and exchange of information.

FAMI-QS over the last months has been working intensively with all its members in the affected ASF areas and regions. Raising awareness along with sharing knowledge and good practices has been a key factor to effectively manage the situation and minimise any potential supply chain disruption. Moreover, with auditors' trainings held in China and South East Asia specially designed to that end, specific guidelines on the design of the audit focus areas during the FAMI-QS audit were established,

in order to ensure that requirements are properly implemented at the highest level of detail during these disruptive times.

In addition, in such alarming situations we should not overlook the fact that going back to the basics of the transmission of diseases is of vital importance. Each biosecurity plan actually focuses on a risk management plan for ensuring high level of hygiene and preventing cross-contamination.

One of the key elements in all biosecurity plans is to know your supplier and their supplier as well. A FAMI-QS Certified Supplier of Specialty Feed Ingredients can be considered as a trusted supplier who has implemented a high standard of hygiene requirements and Good Manufacturing Practices.

The FAMI-QS Code of Practice provides requirements for implementing measures necessary to ensure feed safety and quality of products manufactured by processes, as defined by FAMI-QS. The Code covers requirements on Good Manufacturing Practices, the HACCP programme and suggestions on continuous improvements to the design, management of operations and risks with a goal of maintaining feed safety and quality.

In this issue:

- ⇒ Safeguarding the future of the feed supply chain
- ⇒ Biosecurity Programme under the FAMI-QS Code
- ⇒ The Coronavirus impact on the FAMI-QS Certification

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Biosecurity Programme under the FAMI-QS Code

Biosecurity, as a term, is not explicitly referenced within the FAMI-QS Code. However, the combination of Good Manufacturing Practices and HACCP defines a concrete and robust set of requirements for feed hygiene, which creates the necessary ‘hurdles’ to keep pathogens from entering the facility. FAMI-QS GMP requirements are aligned with the requirements of:

- * ISO/TS 22002 Part 6 - Feed PRPs (adapted to the needs of our sector)
- * FSMA CGMP Animal Food

FAMI-QS GMP requirements as shown in §7 of the [FAMI-QS Code](#):

Establishment	Lighting	Cleaning agents and tools	Feed packaging information and customer communication
Local site environment	Waste disposal	Pest control	Competence and training
Layout and workspace	Waste control	Personnel hygiene	Awareness
Internal structures and fittings	Drains and drainage	Personal behaviour and cleanliness	Communication
Equipment	Equipment suitability	Clothing and protective equipment	Complaint handling system
Storage	Measuring devices	Health status	Feed Safety Incident Communication (Crisis Management)
Utilities	Maintenance	Transport	Recall procedures
Water supply	Measures for prevention of cross-contamination	Driver’s Responsibility	
Ventilation	Cleaning and sanitation	Transport of packed goods	
Compressed air and other gases	Cleaning and sanitising programmes	Transport of bulk products	

Health Status of the Employees: The FAMI-QS Feed Business Operator must have a written procedure regarding medical care. Where permitted by law, staff must inform the operator of any condition, disease or illness that may be transmissible through feed. FAMI-QS is the only feed scheme introducing the Health Status as a GMP requirement in the sector of specialty feed ingredients.

Transportation: Transportation is a significant process affecting feed safety that needs to be managed as a requirement under a feed safety management system, and not as a separate process with a dedicated certification, as this could allow exclusions. Transportation could play an important role in the transmission of pathogens. Acceptance of a track entering into a FAMI-QS certified facility falls under specific hygiene conditions. FAMI-QS does not certify transport activities. However, as transportation is a critical process which affects feed safety, the Code defines the requirements a FAMI-QS Operator shall request from their transport company.

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Traceability Programme: The facility's traceability programme is according to the FAMI-QS Standard as defined below.

To ensure traceability, the Operator must:

- ◇ identify and record the process output by suitable means throughout product realisation;
- ◇ retain any documented information necessary to maintain traceability, including but not limited to:
 - * the names and addresses of manufacturers of incoming materials, specialty feed ingredients or intermediates (including batch number information);
 - * the flow of materials within their control in a manner which meets the objectives of the traceability system;
 - * the nature and quantity of the products produced;
 - * the respective dates of manufacture and, where appropriate, the number of the batch;
 - * the names and addresses of the intermediaries, manufacturers or users to whom products have been delivered.

The coronavirus impact on the FAMI-QS Certification

Regarding the novel coronavirus outbreak, significant disruptions in the feed supply chain are expected to occur. 'A client survey among 97 professional buyers, traders and producers resulted in 34 respondents or 35% expecting a high, and 48 respondents or 50% a low impact on ingredient supply. Only 15 professionals, or 15%, expect no impact. Orders planned for the 1st quarter with delivery in the 2nd quarter are expected to be mostly affected, while disruptions might continue a quarter. Only a minority believes the disruptions will last until year end or beyond 2020.' KEMIEX survey coronavirus impact analysis for APIs, feed and food additives 28 Jan 2020: <https://kemiex.com/news/exclusive-coronavirus-supply-chain-impact-apis-vitamins-aminoacids-additives>

Disruptions are also expected in the certification process. Following the assessment of the current available information, the FAMI-QS Secretariat has made the following decision:

Current valid certificates:

In order for the CB to confirm the annual validity of the FAMI-QS Certified Feed Business Operator, an annual surveillance audit shall be performed as per ISO/IEC 17021-1 requirements - §9.1.3.2 and §9.1.3.3.

Given that the surveillance shall take place in specific time frames, FAMI-QS will grant an exception for the performance of the surveil-

lance audit to confirm the validity of the certification until 2020-05-31. In the event that the surveillance audit is not possible to be conducted by 2020-05-31, the Certification Body shall suspend the certificate for a period of three (3) months. After that period, the certificate shall be withdrawn. The suspended or withdrawn certificates will be listed on the FAMI-QS web-

site as per the current procedure.

Recertification:

In the event that a FAMI-QS Certified Feed Business Operator based in one of the affected areas is in process of recertification (certificate approaching its expiration date), the certificate validity will not be extended. For these audits, however, Certification Bodies can apply solely a Stage 2 Audit for

when the audit will be scheduled.

Certification:

No extension will be given to the Stage 1 Audit performed prior to the implementation of the quarantine measures in the affected areas. Stage 1 shall be repeated with an emphasis on the implementation of §7 Good Manufacturing Practices.

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Excellence and trust in specialty feed ingredients ©

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FAMI-QS Certified Feed Business Operators purchasing under one of the mutual recognised standards shall check with the suppliers, if coming from an affected area, on the status of their certification and the relevant control measures.

Following an analysis on the prices, as shown on the Feedinfo Price Index, of key specialty feed ingredients which are mainly produced in the affected areas, the increase of the price could trigger fraud activities in the chain, in consideration of the significant disruption in the feed supply chain.

Therefore the need in the chain to maintain a close relationship with the supplier is vital. In this respect, FAMI-QS Certified Feed Business Operators can be considered as trusted suppliers. Within the FAMI-QS Code Version 6, FAMI-QS Certified Feed Business Operators establish a

process to provisionally qualify suppliers in emergency situations (§8.6.1. Selection and management of suppliers—g. establish a process to provisionally qualify supplier in emergency situations); however, this emergency situation shall be clearly defined, including also the time frames. In an emergency situation, the following elements shall also be carried out:

- * specification for the purchased product;
- * product description;
- * method of production;
- * analytical characteristics;
- * details of any undesirable substance with which the raw material may be typically associated, appropriate certification and any other hazards or limitations associated with the raw material, which have been considered in the Operator’s HACCP programme, etc.

FAMI-QS Certified Companies List

Interested parties can look for a valid certificate in the following two listings:

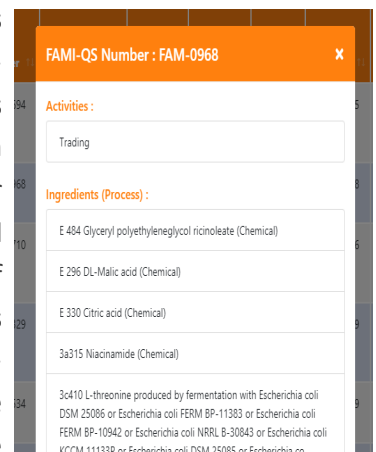
[FAMI-QS Certificates Version 5.1](#) (available until 2020-10-01)

[FAMI-QS Certificates Version 6.0](#)

Subscribe for notification

FAMI-QS Number	Site Name	City	Country	Status	Certified from	Expiry date
FAM-0694	Balchem Corporation - Saint Gabriel LA	Saint Gabriel	UNITED STATES	Valid	2019-09-05	2022-09-04
FAM-0968	BARENTZ-CAMPI Y JOVÉ S.L.	Barcelona	SPAIN	Valid	2019-07-18	2022-07-18
FAM-0710	BAUCELLS ALIBÉS. S.A.	Les Masies De Voltregà	SPAIN	Valid	2019-08-06	2022-08-05
FAM-1329	CENTO FIORI SRL (Ozzano Dell'Emilia)	Ozzano Dell'emilia	ITALY	Valid	2019-10-09	2022-10-03

One of the main features of the new listing of FAMI-QS Certified Organisations is that, as of now, in an effort to achieve further transparency in the feed chain, the entire list of ingredients or mixtures covered under the FAMI-QS Certification will be made available to the public.



In addition to the listing of ingredients and mixtures, interested parties can register and receive a real-time notification, informing them of a potential change in the status of a current valid FAMI-QS Certificate.

Note: No notification will be sent in case of a new entry or an expired certificate. There is no option to select a specific organisation. A notification will be sent for all certificates currently included in the list.

As previously announced, FAMI-QS has selected the ‘ViaSyst’ audit reporting platform for the handling of the certification process.

Member of:



Recognised Stakeholder:



EU CORNER

Commission Implementing Regulation (EU) 2019/1947 of 22 November 2019 concerning the **authorisation of cassia gum as a feed additive for cats and dogs** (Text with EEA relevance)

http://data.europa.eu/eli/reg_impl/2019/1947/oj

Commission Implementing Regulation (EU) 2019/1964 of 26 November 2019 concerning the **authorisation of L-lysine base, liquid, L-lysine monohydrochloride, liquid, L-lysine monohydrochloride, technically pure, and L-lysine sulphate as feed additives for all animal species** (Text with EEA relevance)

[OJ L 307/3, 28-11-2019](http://eur-lex.europa.eu/eli/reg_impl/2019/1964/oj)

Commission Implementing Regulation (EU) 2019/1977 of 26 November 2019 concerning the **authorisation of phenylmethanethiol, benzyl methyl sulfide, sec-pentylthiophene, tridec-2-enal, 12-methyltridecanal, 2,5-dimethylphenol, hexa-2(trans),4(trans)-dienal and 2-ethyl-4-hydroxy-5-methyl-3(2H)-furanone as feed additives for cats and dogs** (Text with EEA relevance)

[OJ L 308/45, 29-11-2019](http://eur-lex.europa.eu/eli/reg_impl/2019/1977/oj)

Commission Implementing Regulation (EU) 2019/1965 of 26 November 2019 concerning the **authorisation of sodium molybdate dihydrate as feed additive for sheep** (Text with EEA relevance)

[OJ L 307/12, 28-11-2019](http://eur-lex.europa.eu/eli/reg_impl/2019/1965/oj)

Commission Implementing Regulation (EU) 2020/106 of 23 January 2020 concerning the **authorisation of sodium formate as a feed additive for all animal species**

<https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1580225992940&uri=CELEX:32020R0106>

Commission Implementing Regulation (EU) 2020/107 of 23 January 2020 concerning the **authorisation of ponceau 4R as a feed additive for dogs, cats and ornamental fish**

[OJ L 19/18, 24-01-2020](http://eur-lex.europa.eu/eli/reg_impl/2020/107/oj)

Commission Implementing Regulation (EU) 2020/161 of 5 February 2020 concerning the renewal of the **authorisation of Bacillus subtilis DSM 17299 as a feed additive for chickens for fattening and rearing** Regulation (EC) No 1137/2007 (holder of authorisation Chr. Hansen A/S) (Text with EEA relevance)

http://data.europa.eu/eli/reg_impl/2020/161/oj

Commission Implementing Regulation (EU) 2020/159 of 5 February 2020 concerning the renewal of the **authorisation of Enterococcus faecium DSM 7134 as a feed additive for weaned piglets and pigs for fattening and rearing** Regulation (EC) No 538/2007 (holder of authorisation Lactosan Starterkulturen GmbH & Co) (Text with EEA relevance) C/2020/558

http://data.europa.eu/eli/reg_impl/2020/159/oj

Commission Implementing Regulation (EU) 2020/162 of 5 February 2020 concerning the **authorisation of the preparation of Saccharomyces cerevisiae CNCM I-1079 as a feed additive for turkeys for fattening** (holder of authorisation Danstar Ferment AG represented by Lallemand SAS) (Text with EEA relevance)

http://data.europa.eu/eli/reg_impl/2020/162/oj

Commission Implementing Regulation (EU) 2020/160 of 5 February 2020 concerning the **authorisation of the preparation of oregano oil, caraway oil, carvacrol, methyl salicylate and L-menthol as a feed additive for weaned piglets** (holder of authorisation Biomin GmbH) (Text with EEA relevance)

http://data.europa.eu/eli/reg_impl/2020/160/oj

Commission Implementing Regulation (EU) 2020/163 of 5 February 2020 concerning the **authorisation of a preparation of muramidase produced by Trichoderma reesei DSM 32338 as a feed additive for turkeys for fattening, turkeys reared for breeding, chickens reared for breeding and other poultry species reared for breeding** (holder of authorisation DSM Nutritional Products Ltd. represented in the Union by DSM Nutritional Products Sp. Z o.o) (Text with EEA relevance)

http://data.europa.eu/eli/reg_impl/2020/163/oj

Member of:



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Commission Implementing Regulation (EU) 2020/165 of 5 February 2020 concerning the **authorisation of endo-1,4-beta-mannanase produced by Paenibacillus lentus DSM 32052 as a feed additive for chickens for fattening, for chickens reared for laying, turkeys for fattening or reared for breeding and for minor poultry species** and repealing Regulation (EC) No 786/2007 (holder of authorisation Elanco GmbH) (Text with EEA relevance)

http://data.europa.eu/eli/reg_impl/2020/165/oj

COMMISSION IMPLEMENTING REGULATION (EU) 2020/173 of 6 February 2020 concerning the **authorisation of brilliant blue FCF as a feed additive for cats and dogs** (Text with EEA relevance)

http://data.europa.eu/eli/reg_impl/2020/173/oj

Commission Implementing Regulation (EU) 2020/196 of 13 February 2020 concerning the renewal of the **authorisation of endo-1,4-beta-xylanase produced by Aspergillus niger CBS 109.713 as a feed additive for chickens for fattening, turkeys for fattening, turkeys reared for breeding, minor avian species (except laying birds) and ornamental birds and repealing** Regulations (EC) No 1380/2007, (EC) No 1096/2009 and Implementing Regulation (EU) No 843/2012 (holder of authorisation BASF SE) (Text with EEA relevance)

http://data.europa.eu/eli/reg_impl/2020/196/oj

Commission Implementing Regulation (EU) 2020/197 of 13 February 2020 concerning the **authorisation of allura red AC as a feed additive for cats and dogs** (Text with EEA relevance)

http://data.europa.eu/eli/reg_impl/2020/197/oj

Commission Implementing Regulation (EU) 2020/228 of 19 February 2020 concerning the **authorisation of erythro-sine as a feed additive for dogs and cats** (Text with EEA relevance)

http://data.europa.eu/eli/reg_impl/2020/228/oj

Member of:



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