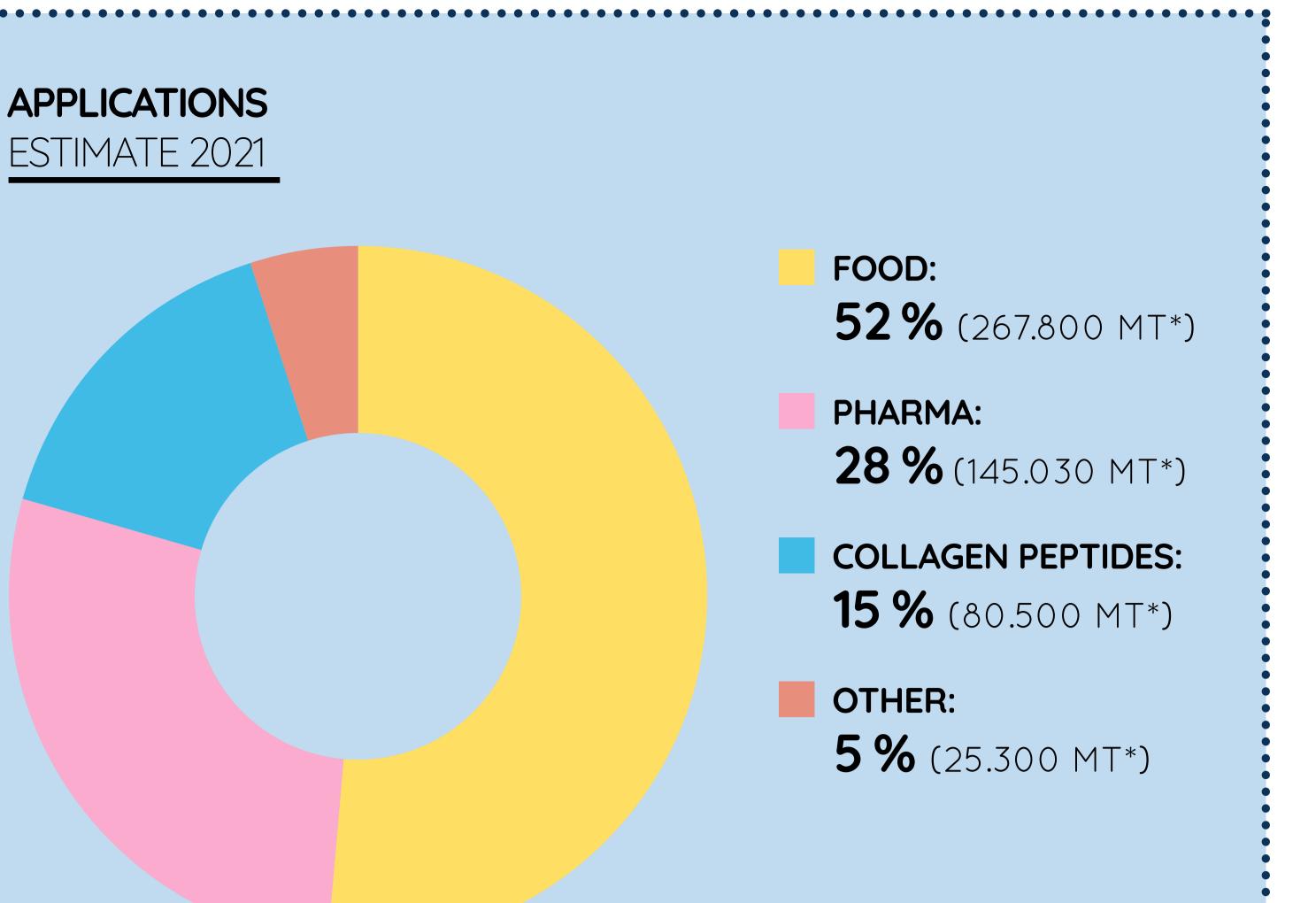
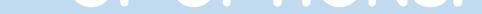
All-rounders in the most diverse sectors

GELATIN AND COLLAGEN PEPTIDES ARE VERSATILE PRODUCTS USED IN DIFFERENT INDUSTRIES.

GELATIN'S MAIN FIELD OF APPLICATION IS THE FOOD INDUSTRY, WHERE IT IS A UNIQUE INGREDIENT.

IT PROVIDES MANY FUNCTIONALITIES AND PROPERTIES AND THEREBY GIVES PRODUCT DEVELOPERS A WIDE RANGE OF OPTIONS.



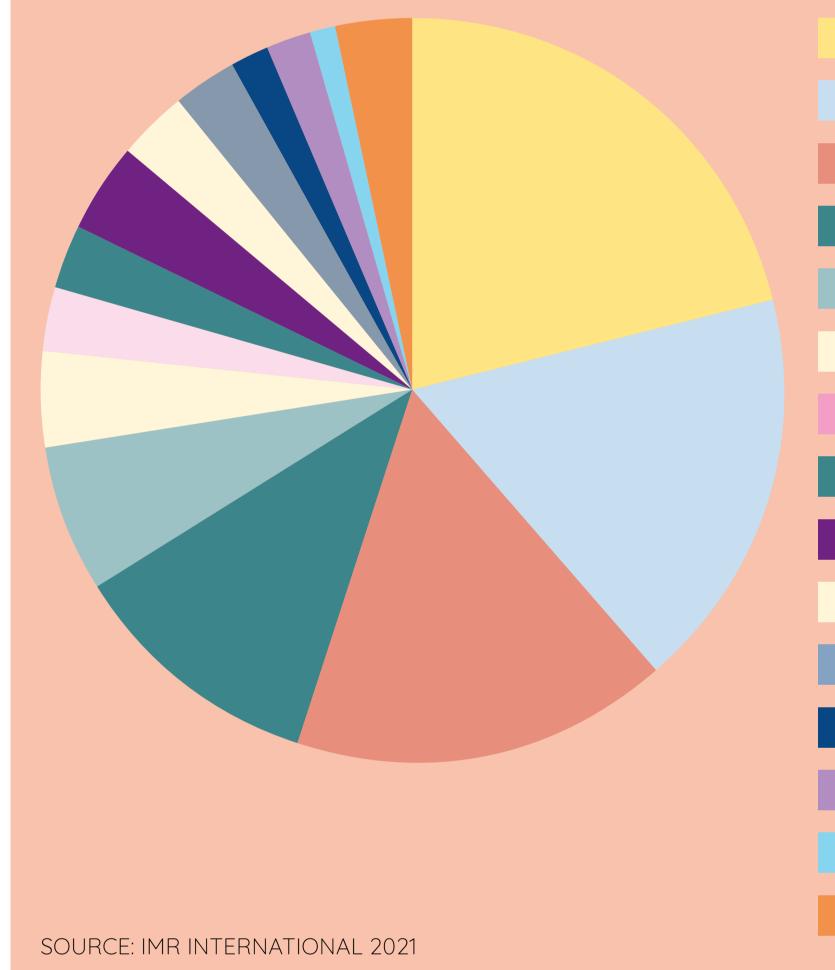


*THESE FIGURES ARE AN ESTIMATE BASED ON DATA COLLECTED FROM GROW ASSOCIATION MEMBERS.

Celatin's Uniqueness in the Food Industry

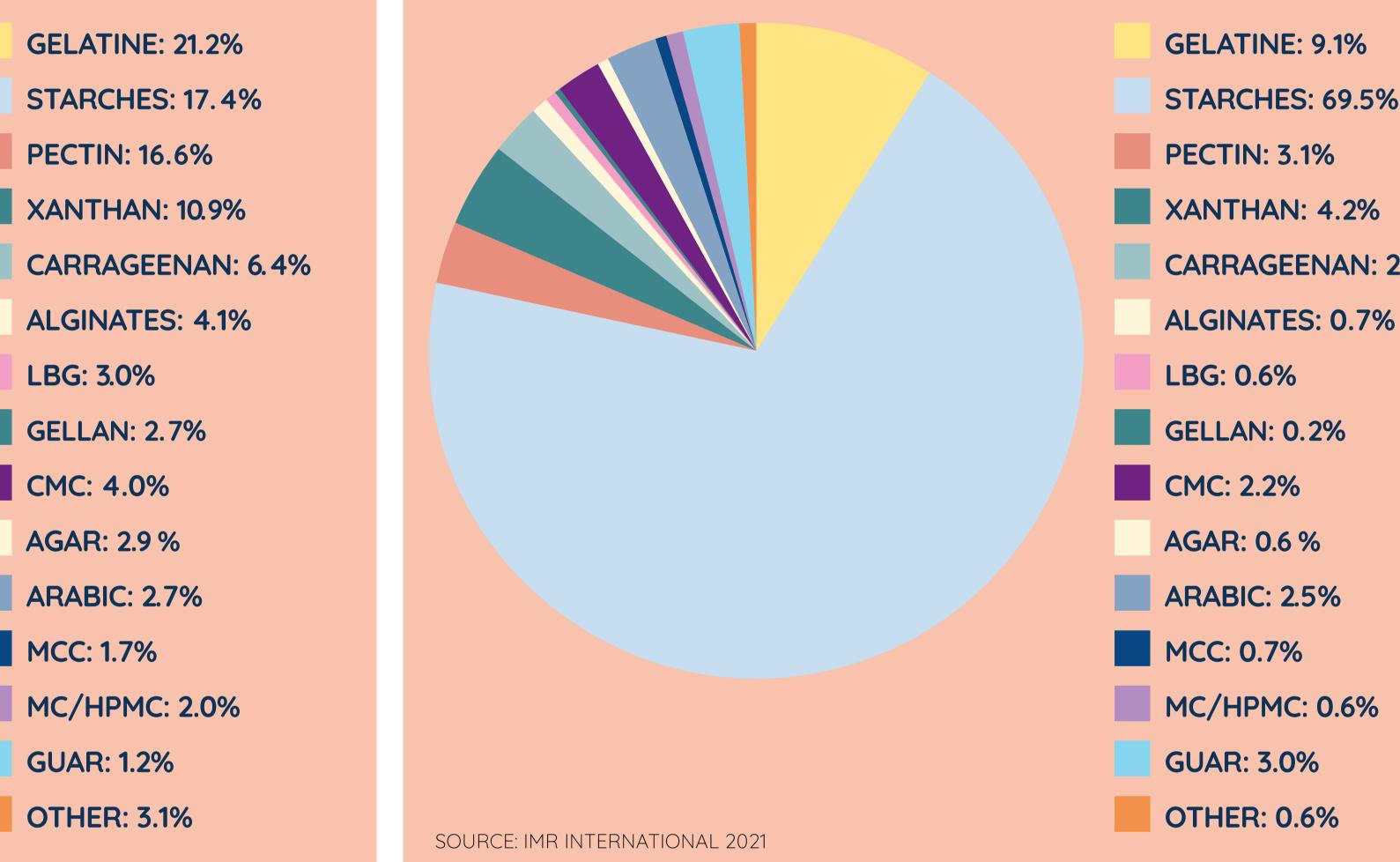
Gelatin Is One of the Two Most **Commonly Used Hydrocolloids in the World**

MARKET SHARE OF THE MOST IMPORTANT **HYDROCOLLOIDS FOR FOOD APPLICATIONS** VALUE TOTAL = 8 BILLION



GELATINE: 21.2% STARCHES: 17.4% PECTIN: 16.6% XANTHAN: 10.9%

VOLUME OF THE MOST IMPORTANT HYDROCOLLOIDS FOR FOOD APPLICATIONS TONNES TOTAL = 2.5 MILLION



GELATINE: 9.1% STARCHES: 69.5% XANTHAN: 4.2% CARRAGEENAN: 2.5%

Advantages of Gelatin

NATURAL PRODUCT

- NATURAL SOURCE OF **PROTEIN** AND ESSENTIAL AMINO ACIDS
- NATURAL FOOD INGREDIENT (ISO/TS 19657: 2017)
- **SAFE PRODUCT** (GRAS STATUS)
- FREE FROM GMO, NOT CHEMICALLY

PROPERTIES & FUNCTIONALITIES

- UNIQUE **TEXTURE**, ELASTICITY AND PURITY
- ENSURES AN **EXCELLENT** MOUTH FEEL AND TASTE **EXPERIENCE**
- MELTS AT BODY **TEMPERATURE**
- EXTENDS THE **SHELF** LIFE OF PRODUCTS
- CHOLESTEROL, PURINE AND FAT FREE
- IT HAS THE ABILITY TO **GEL**, THICKEN, BIND, FOAM AND FORM LAYERS

MODIFIED AND HENCE, DOES NOT REQUIRE AN E-NUMBER

CLEAN LABEL PRODUCT

NO ALLERGY LABELLING*

* EXCEPT 1) WHEN FISH DERIVED 2) IN JAPAN

AND IS FULLY DIGESTIBLE • OFFERS A **HIGH** BIOAVAILABILITY

• ITS PARTICLE SIZE CAN BE ADJUSTED TO MEET PRODUCTION NEEDS TO ACHIEVE EASY SOLUBILITY

GELATIN'S UNIQUENESS IN A NUTSHELL

GELATIN IS A UNIQUE INGREDIENT AND MULTIFUNCTIONAL POLYMER IN THE FOOD AND PHARMACEUTICAL INDUSTRY. THE SUBSTITUTION OF GELATINE **IS ONLY POSSIBLE BY A COMBINATION OF INGREDIENTS** (HYDROCOLLOIDS AND FOAMING AGENTS).

