

# Product Specification

## 1. PRODUCT DESIGNATION

Stutzer Product Name	'LUNGKOW' VERMICELLI, 1ST GRADE 'PAGODA' 25/1KG
Stutzer Article Number	40981
Manufacturer's Product Name	Pagoda Lungkow Vermicelli, 1st Grade 1KGX25
Manufacturer's Article Number	
Country of Production	China

## 2. MANUFACTURER / SUPPLIER

Manufacturer's Name	
Manufacturer's Code	
Address	
Telephone	
Fax	
E-Mail-Address	
Internet Homepage	
Responsible for Quality Management	

Supplier's Name	<b>Stutzer &amp; Co. AG</b>
Supplier's Code	
Address	Baumackerstrasse 24 8050 Zürich Switzerland
Telephone	+41 44 315 56 56
Fax	+41 44 315 56 00
E-Mail-Address	info@stutzer.ch

## 3. MANUFACTURER'S CERTIFICATIONS

	yes	no
IFS	<input type="checkbox"/>	<input type="checkbox"/>
BRC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FSSC 22000	<input type="checkbox"/>	<input type="checkbox"/>
ISO 9001:2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ISO 14001	<input type="checkbox"/>	<input type="checkbox"/>
ISO 22000	<input type="checkbox"/>	<input type="checkbox"/>
SQF2000	<input type="checkbox"/>	<input type="checkbox"/>
BSCI-Code of Conduct (e. g. SA 8000)	<input type="checkbox"/>	<input type="checkbox"/>
Sedex	<input type="checkbox"/>	<input type="checkbox"/>
GLOBALGAP	<input type="checkbox"/>	<input type="checkbox"/>
Others: _____	<input type="checkbox"/>	<input type="checkbox"/>

Remark: Please send all **current and available** certificates.

#### 4. GENERAL PRODUCT INFORMATION

Short product description	Vermicelli made of beans starch
Appearance / Colour	transparent without admixture
Smell	Neutral, without off-smell
Taste	Typical like glass noodles, without off-taste
Consistency / Texture	Tender, not overcooked and not sticky
Preparation procedure	Pls refer to the process description

<b>Certified according to:</b>			
	<b>yes</b>	<b>no</b>	<b>Certificate Code</b>
Organic / Biological	<input type="checkbox"/>	<input type="checkbox"/>	.....
Halal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SIFCL-CH.08/043
Kosher	<input type="checkbox"/>	<input type="checkbox"/>	.....
MSC	<input type="checkbox"/>	<input type="checkbox"/>	.....
ASC	<input type="checkbox"/>	<input type="checkbox"/>	.....
FOS	<input type="checkbox"/>	<input type="checkbox"/>	.....
Fairtrade	<input type="checkbox"/>	<input type="checkbox"/>	.....
RSPO	<input type="checkbox"/>	<input type="checkbox"/>	.....
Other	<input type="checkbox"/>	<input type="checkbox"/>	Which? .....

Remark: Please send all **current and available** certificates.

#### 5. INGREDIENTS (including additives)

Complete the ingredients list in quantitative descending order of weight (Total = 100%).  
The quantities of the ingredients have to be specified as they are at the time of production.

<b>Ingredients/Additives( incl. technical function)</b>	<b>Country of Origin</b>	<b>E-No.</b>	<b>%</b>
<b>Mung bean starch</b>	<b>China</b>		<b>50%</b>
<b>Peas starch</b>	<b>Canada</b>		<b>50%</b>

Remarks: Please specify the botanical source of fats, oils, gelatin maltodextrin, glucose syrup, starches and modified starches.

For fish, please specify the fishing area according to FAO (<http://www.fao.org/fishery/area/search/en>)

Eg. FAO Area 57

For fish, mushrooms and seaweed, please if possible specify the Latin name.

## 6. NUTRITION INFORMATION

Based on:	<input checked="" type="checkbox"/> <b>Net weight</b> <input type="checkbox"/> <b>Drained net weight</b>	Average Values per: <input checked="" type="checkbox"/> <b>100g</b> edible portion <input type="checkbox"/> <b>100ml</b> edible portion
<b>Energy value</b>		1389 <b>kJ</b>
		332 <b>kcal</b>
<b>Fat</b>		0 <b>g</b>
<b>Saturated fatty acids</b>		0 <b>g</b>
Monounsaturated fatty acids		0 <b>g</b>
Polyunsaturated fatty acids		0 <b>g</b>
Trans fatty acids		0 <b>g</b>
Cholesterol		0 <b>mg</b>
<b>Carbohydrates</b>		86 <b>g</b>
<b>Sugar</b>		0 <b>g</b>
Starch		0 <b>g</b>
Polyols		0 <b>g</b>
<b>Dietary fibers</b>		0 <b>g</b>
<b>Protein</b> (N x 6.25)		0.778 <b>g</b>
<b>Salt</b> (Na x 2.5)		0 <b>g</b>
<b>Suitable for</b>	vegetarians	<b>yes</b> <input checked="" type="checkbox"/> <b>no</b> <input type="checkbox"/>
	vegans	<b>yes</b> <input checked="" type="checkbox"/> <b>no</b> <input type="checkbox"/>

## 7. PRODUCTION AND PROCESS INFORMATION

The production **has to be** based on a defined HACCP concept according to Codex Alimentarius.

Process description	<ol style="list-style-type: none"> <li>1. mix mung bean starch and peas starch with water to make dough</li> <li>2. press the dough from above to force it through eyelets to form thin thread, which is then dropped down into a pot with boiling water underneath.</li> <li>3. freeze long vermicelli</li> <li>4. thaw long vermicelli</li> <li>5. divide the long vermicelli into small part per 50g side</li> <li>6. dry the long vermicelli in machine</li> <li>7. select on light tables</li> <li>8. weight by electronic scale again, put into plastic bags and seal.</li> <li>9. detect by metal detector</li> <li>10. pack into cartons</li> </ol>
Is there a physical process (sterilization, pasteurization, etc.)?	<b>yes</b> <input type="checkbox"/> <b>no</b> <input checked="" type="checkbox"/>
If yes, please specify:	<ul style="list-style-type: none"> <li>- Type of process: _____</li> <li>- Time: _____</li> <li>- Temperature: _____</li> <li>- If concentrated or dried, concentration factor: _____</li> <li>- Other conditions: _____</li> </ul>
Are there processing aids (enzymes, clarifying agents, etc.)?	<b>yes</b> <input type="checkbox"/> <b>no</b> <input checked="" type="checkbox"/>
If yes, please specify which: _____	
Is the product fumigated?	<b>yes</b> <input type="checkbox"/> <b>no</b> <input checked="" type="checkbox"/>
If yes, please specify which fumigant: _____	
Is the product packed with modified atmosphere?	<b>yes</b> <input type="checkbox"/> <b>no</b> <input checked="" type="checkbox"/>
If yes, please specify the name of the gas: _____	
Meat / Fish of farmed animals	<b>yes</b> <input type="checkbox"/> <b>no</b> <input checked="" type="checkbox"/>
For wild catch fish please specify fishing method: _____	
Plants / Mushrooms from:	<input type="checkbox"/> <b>Greenhouse</b> <input type="checkbox"/> <b>Hydroponic</b> <input type="checkbox"/> <b>Wild crop</b> <input type="checkbox"/> <b>Field grown</b>

## 8. PREVENTION OF FOREIGN BODIES

Is the product inspected and cleaned from foreign objects?			yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
If yes, which method is used?	<input checked="" type="checkbox"/>	Metal detection If yes, please specify sensitivity in mm:	Fe: <u>1..2</u> SS: <u>1.2</u> NonFe: <u>1.2</u>
	<input type="checkbox"/>	Sieving	mm: <u>    </u>
	<input type="checkbox"/>	X-ray	
	<input checked="" type="checkbox"/>	Optical detection	
	<input checked="" type="checkbox"/>	Hand selection	
	<input type="checkbox"/>	Winnowing	
	<input type="checkbox"/>	Others	

## 9. PACKAGING

Product net weight	1000g
Product drained weight	
Primary packaging material	Plastic bag (OPP+PE)
Secondary packaging material	carton
Tertiary packaging material	
Product units per packaging	25
<p>The used packaging material is inoffensive in direct contact with the grocery, the food ingredient or the raw material and is a valuable protection against contamination (microbiology, taste and odour) and is conform according to EU REGULATION (EC) No 1935/2004, 10/2011 and their amending acts and according to the Ordinance of the FDHA on Materials and Articles (RS 817.023.21: <a href="http://www.blv.admin.ch/themen/04678/04887/04891/index.html?lang=en">http://www.blv.admin.ch/themen/04678/04887/04891/index.html?lang=en</a>).</p> <p>Certificates of compliance <b>have to be</b> available on request.</p>	

## 10. STORAGE

Storage temperature:	freezer -18°C	cold < 5°C	Ambient, not air-conditioned
Shelf life in the original packaging in <b>days</b>			36months
Shelf life once opened in <b>days</b>			1month

## 11. BACTERIOLOGY

Characteristics	Unit	Method	Limit value
Aerobic, mesophilic germs	cfu/g		100.000
Enterobacteriaceae	cfu/g		100
Escherichia coli	cfu/g		10
Yeasts	cfu/g		100
Moulds	cfu/g		100
Staphylococcus aureus	cfu/g		10
Chlostridium botulinum	cfu/g		
Listeria monocytogenes	in 25 g		
Salmonella spp.	in 25 g		negative

## 12. CHEMICAL AND PHYSICAL DATA

Characteristics	Method	Standard value	min.	max.	Unit
Moisture				15%	
Water activity (a <sub>w</sub> -value)					
pH			6	8	
Particle size					
Brix °					

### 13. ALLERGENS

**yes:** contained in the raw material as an ingredient (quantity, see point 8)  
**CC:** not avoidable cross-contamination is possible after HACCP-concept  
**no:** free from (< tolerance limits indicated below)

Allergens	yes	CC possible	no
Gluten contained in cereals, i.e. wheat, rye, barley, oats, spelt or their hybridized strains and products of these in a concentration of >20mg/100g if yes, in which ingredient:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Milk and milk products (lactose included) in a concentration of >1g/kg if yes, in which ingredient:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Eggs and egg products in a concentration of >1g/kg if yes, in which ingredient:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fish and fish products in a concentration of >1g/kg if yes, in which ingredient:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Crustaceans and products of these in a concentration of >1g/kg if yes, in which ingredient:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Soybeans and products of these in a concentration of >1g/kg if yes, in which ingredient:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Peanuts and products of these in a concentration of >1g/kg if yes, in which ingredient:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tree nuts like walnuts, hazelnuts, almonds, pecan, macadamia, cashew, pistachios. pine nuts or nut products in a concentration of >1g/kg if yes, in which ingredient:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sesame seeds and products of these in a concentration of >1g/kg if yes, in which ingredient:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Celery and products of these (included celery salt) in a concentration of >1g/kg if yes, in which ingredient:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mustard and products of these in a concentration of >1g/kg if yes, in which ingredient:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sulfite (E 220-E 224, E 226-E 228) in a concentration of >10 mg/kg if yes, quantity:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lupine and products thereof in a concentration of >1g/kg if yes, in which ingredient:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mollusc and products thereof in a concentration of >1g/kg If yes, in which ingredient:_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### 14. RESIDUES, IRRADIATION, NANOTECHNOLOGY

**Pesticides / Antibiotics / Heavy metals and other contaminants**  
 have to be according to the Swiss Food Legislation see:[http://www.admin.ch/ch/d/sr/c817\\_021\\_23.html](http://www.admin.ch/ch/d/sr/c817_021_23.html)  
 and according to EU Legislation EC 396/2005, EC 1881/2006 and its amending Acts.

**Irradiation**  
 Is the product or any of its ingredients treated with irradiation? yes  no

**Nanotechnology**  
 Do you use nanotechnology (synthetically produced nanoparticles of <100 nm) in your products or on their packaging and do these have properties that differ significantly from those of comparable larger particles? yes  no

## 15. GMO INFORMATION

<p>The product has been manufactured without genetically modified organisms, ingredients, additives, microorganisms or processing aids and can therefore be declared according to:</p> <ul style="list-style-type: none"> <li>- <b>Swiss Food Legislation:</b> <a href="http://www.admin.ch/ch/d/sr/c817_022_51.html">http://www.admin.ch/ch/d/sr/c817_022_51.html</a></li> <li>- <b>EU Directives:</b> 2003/1829/EG, 2003/1830, 1332/2008</li> </ul> <p>as GMO free.</p> <p style="text-align: right;"><b>yes</b> <input checked="" type="checkbox"/> <b>no</b> <input type="checkbox"/></p>	
<p>Documents available as proof of the GMO free status:</p> <p style="text-align: right;"> <input type="checkbox"/> IP-Certificate for Raw materials  <input type="checkbox"/> PCR-Analysis for Raw materials  <input type="checkbox"/> PCR-Analysis for end product         </p>	

## 16. PRODUCT DECLARATION / IDENTIFICATION

<b>yes</b> <input checked="" type="checkbox"/>	<b>no</b> <input type="checkbox"/>	Article Code
<b>yes</b> <input checked="" type="checkbox"/>	<b>no</b> <input type="checkbox"/>	Supplier's product designation
<b>yes</b> <input checked="" type="checkbox"/>	<b>no</b> <input type="checkbox"/>	Supplier's name
<b>yes</b> <input checked="" type="checkbox"/>	<b>no</b> <input type="checkbox"/>	Manufacturer's name
<b>yes</b> <input checked="" type="checkbox"/>	<b>no</b> <input type="checkbox"/>	Packing- / Manufacturing date (open / coded)
<b>yes</b> <input checked="" type="checkbox"/>	<b>no</b> <input type="checkbox"/>	Best until date or expiration date
<b>yes</b> <input checked="" type="checkbox"/>	<b>no</b> <input type="checkbox"/>	Lot-/Batch-No.
<b>yes</b> <input checked="" type="checkbox"/>	<b>no</b> <input type="checkbox"/>	Risk indication

## 17. CONFIRMATION BY THE SUPPLIER / MANUFACTURER (additional to the general terms and conditions)

1. All Information is confidential and for internal use only.
2. The grocery, food ingredients and raw materials are according to the current Swiss and European legislations at the time of delivery.
3. The requirements of the EC-Legislation set in the ordinance (EC) No. 178/2002 concerning the Traceability and Food Safety will be secured during the whole production process (source: [http://europa.eu/index\\_en.htm](http://europa.eu/index_en.htm))
4. The supplier/manufacturer informs Stutzer & Co. AG unsolicited and prior to manufacturing, or latest prior to delivery, about any deviation or modification with regard to the relevant raw material specifications, as well as any modifications in his manufacturing process which have an influence or effect on the quality of the raw material.
5. The quality of the goods delivered is up to the standards as specified in the regulations of the consignee as well as the internal regulations of the manufacturer/supplier. Goods which fail to conform to this raw material specification are rejected and are put at the suppliers'/ manufacturers'disposal, at the suppliers' / manufacturers' expense.
6. Stutzer & Co. AG is empowered to make sample inspections. These do not exempt any supplier/manufacturer from liability.

Available documents:

Data-Sheet	<b>yes</b> <input type="checkbox"/>	<b>no</b> <input checked="" type="checkbox"/>
Safety Data Sheet	<b>yes</b> <input type="checkbox"/>	<b>no</b> <input checked="" type="checkbox"/>
Veterinary Certificate	<b>yes</b> <input type="checkbox"/>	<b>no</b> <input checked="" type="checkbox"/>
Certificate of Analysis	<b>yes</b> <input checked="" type="checkbox"/>	<b>no</b> <input type="checkbox"/>

Place and Date	Stutzer QC approved	Signature Supplier
04.03.2016		