

Spirelli, 3 colours

<i>product code</i>	SP3980	(spirelli, 3 colours)			
<i>document</i>	QS 04 028	<i>created</i>	10/09/2014	<i>revision</i>	16/07/2012
				<i>version</i>	4

<i>variety</i>		<i>cut</i>	IQF	<i>quality</i>	A
<i>origin</i>	Belgium	<i>size</i>			

physical standard					SPI980 8/11/2006
<i>parameter</i>	<i>unit</i>	<i>value</i>	<i>tolerance</i>	<i>reject</i>	
on 1000 g (frozen product)					
Foreign matter	pieces	0			
Clumps > 3 pieces	gram	50			
pieces < 30 mm or >45 mm	gram	100			
broken pieces < 20 mm	gram	50			
diameter < 9 mm or >13 mm	gram	100			

organoleptic quality		SP3980 10/09/2014
<i>parameter</i>	<i>description</i>	
Odour	Characteristic, no off odours.	
Taste	Typical for pasta with a weak aroma of spinach and tomato. No off flavours.	
Texture	Al dente, uniformly tender, yielding to the bite, not too firm, not too soft.	
Colour	An even mix of yellow-white, pale-green and pale-red spirelli pasta.	

micro standard					DEF-Bact pâtes 16/07/2012
<i>parameter</i>	<i>unit</i>	<i>Target</i>	<i>Maximum</i>	<i>micro method</i>	
Salmonella	25 gram	Absence	Absence		
Listeria monocytogenes	gram	10	100		
Bacillus cereus	gram	10	100		
E-coli	gram	10	10		
enterobacteriaceae	gram	100	1.000		
total viabel count	gram	50.000	500.000		

allergens							Alba 4c pâtes rouges sans oeufs
<i>major allergens</i>		* 1	2	3	<i>major allergens</i>		* 1 2 3
arachid and derivatives		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	eggs and derivatives		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
fish		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	crustaceans, molluscs and their derivatives		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
soy and derivatives		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	milk and derivatives (incl. lactose and milk proteins)		<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
wheat - gluten	**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	oats		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
barley		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	rye		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
spelt wheat		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	buckwheat		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
kamut		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	almonds		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
hazelnuts		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	walnut		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
pistachio nut		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	pecannuts		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
pinenut		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Brazil nut		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
cashew nut		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	macadamia nuts		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
sesame seeds and derivatives		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	sulphite E220 to E227		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
lupin and derivatives		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	celeri and derivatives		<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<i>minor allergens</i>		* 1	2	3	<i>minor allergens</i>		* 1 2 3
mustard and derivatives		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	yeasts and hydrolysats		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
cardamom and derivatives		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	cinnamon and derivatives		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
vanilla and derivatives		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	cacao and derivatives		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
corn and derivatives		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	dry vegetables (incl. chick peas)		<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>

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allergens		Alba 4c pâtes rouges sans oeufs	
fructose	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	saccharose	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
lactose	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	beef and derivatives	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
pig and derivatives	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	chicken and derivatives	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
lamb and derivatives	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	rice and derivatives	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
paprika and derivatives	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	coriander and derivatives	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
BHA/BHT (E320 to E321)	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	cochenil E120	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
azorubine E122	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	amaranth E123	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
ascorbic acid and sorbates E200 to E203	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	glutamates E621 to E625	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
glutamic acid E620	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	tartrazin E102	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
orange yellow E104	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	benzoic acid, benzoates E210 to E219	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
cochenil red E124	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	honey	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
carrots	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	chicory	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
tomatoes **	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	abricots	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
avocado	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	bananas	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
kiwi	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	peaches	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
apples	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	garlic	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
curry	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	parsley	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
turmeric	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		

* 1 = intentional presence 2 = not included but allergen is present in factory. Cross contamination is avoided through use of specific procedures 3 = not included and not present in factory

**** additional comments**

wheat - gluten	durum wheatflour
tomatoes	tomato powder

statements	SP3980 13/12/2005
non genetically modified Food Products & Ingredients	

To the best of our knowledge, at the time of sale, our products have not been Genetically Modified.
We are fully aware of the two possible areas which could cause problems if not correctly controlled and monitored, i.e. origination from seed or cross contamination during growing.
For these products where GM varieties are cultivated or trialed in our growing area:

- our agronomists use methods of control in the fields to prevent cross contamination and these methods remain confidential to ourselves.
- samples from our end products are continuously checked by accredited independent laboratories who issue certification.
- where possible, we also use independent auditing organisations to carry out analysis of seed prior to acceptance by ourselves.

We also confirm that our grower/supplier contracts include a guarantee clause of GMO status.

warning - precautions

Cook the product from frozen. Do not re-freeze a thawed product.

product formulation			SP3980
<i>component</i>	<i>% weight</i>	<i>additional comments</i>	
Spirelli pasta, without egg	60 %		
.. water	54 %		
.. durum wheat flour	46 %		
Spirelli, red	20 %		
.. water	54 %		
.. durum wheat flour	44 %		
.. tomato powder	2 %		
Spirelli, green	20 %		
.. water	54 %		
.. durum wheat flour	44 %		
.. spinach powder	2 %		

nutritional data		PEN980 5/04/2012
data A	pasta, plain, fresh, cooked	
data B		

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nutritional data	PEN980 5/04/2012
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data A pasta, plain, fresh, cooked
data B

proximates					
<i>parameter</i>	<i>data A</i>	<i>data B</i>	<i>unit</i>	<i>source</i>	<i>method</i>
water	59		g	Mc Cance & Widdowson 6 (calculated)	
energy Kcal	150		kcal	Mc Cance & Widdowson 6 (calculated)	
energy KJ	634		kjoule	Mc Cance & Widdowson 6 (calculated)	
Protein	6,3		g	Mc Cance & Widdowson 6 (calculated)	
total lipid (fat)	1,4		g	Mc Cance & Widdowson 6 (calculated)	
carbohydrates available	27,8		g	Mc Cance & Widdowson 6 (calculated)	
fiber, total dietary	1,8		g	Mc Cance & Widdowson 6 (calculated)	méthode AOAC
sugars, total	0,5		g	Mc Cance & Widdowson 6 (calculated)	

carbohydrates					
<i>parameter</i>	<i>data A</i>	<i>data B</i>	<i>unit</i>	<i>source</i>	<i>method</i>
starch	26,8		g	Mc Cance & Widdowson 6 (calculated)	

lipids					
<i>parameter</i>	<i>data A</i>	<i>data B</i>	<i>unit</i>	<i>source</i>	<i>method</i>
fatty acids, total saturated	0,27		g	Mc Cance & Widdowson 6 (calculated)	
fatty acids, total monounsaturated	0,3		g	Mc Cance & Widdowson 6 (calculated)	
fatty acids, total polyunsaturated	0,35		g	Mc Cance & Widdowson 6 (calculated)	
cholesterol	N		mg	Mc Cance & Widdowson 6 (calculated)	

proteins and amino acids					
<i>parameter</i>	<i>data A</i>	<i>data B</i>	<i>unit</i>	<i>source</i>	<i>method</i>
tryptophan / 60	1		mg	Mc Cance & Widdowson 6 (calculated)	

vitamins					
<i>parameter</i>	<i>data A</i>	<i>data B</i>	<i>unit</i>	<i>source</i>	<i>method</i>
vitamin C, total ascorbic acid	0		mg	Mc Cance & Widdowson 6 (calculated)	
thiamin	0,06		mg	Mc Cance & Widdowson 6 (calculated)	
riboflavin	0,03		mg	Mc Cance & Widdowson 6 (calculated)	
niacin	0,67		mg	Mc Cance & Widdowson 6 (calculated)	
pantothenic acid	Tr		mg	Mc Cance & Widdowson 6 (calculated)	
vitamin B-6	0,02		mg	Mc Cance & Widdowson 6 (calculated)	
folate, total	4		µg	Mc Cance & Widdowson 6 (calculated)	
vitamin B-12	0		µg	Mc Cance & Widdowson 6 (calculated)	
retinol	0		µg	Mc Cance & Widdowson 6 (calculated)	
vitamin E (alpha-tocopherol)	Tr		mg	Mc Cance & Widdowson 6 (calculated)	
vitamin D	0		µg	Mc Cance & Widdowson 6 (calculated)	
biotin	Tr		µg	Mc Cance & Widdowson 6 (calculated)	

caretenoids					
<i>parameter</i>	<i>data A</i>	<i>data B</i>	<i>unit</i>	<i>source</i>	<i>method</i>
carotene, beta	0		µg	Mc Cance & Widdowson 6 (calculated)	

minerals					
<i>parameter</i>	<i>data A</i>	<i>data B</i>	<i>unit</i>	<i>source</i>	<i>method</i>
calcium, Ca	35		mg	Mc Cance & Widdowson 6 (calculated)	
iron, Fe	0,8		mg	Mc Cance & Widdowson 6 (calculated)	
magnesium, Mg	18		mg	Mc Cance & Widdowson 6 (calculated)	
phosphorus, P	83		mg	Mc Cance & Widdowson 6 (calculated)	

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<i>data A</i>	pasta, plain, fresh, cooked				
<i>data B</i>					
potassium, K	47		mg	Mc Cance & Widdowson 6 (calculated)	
sodium, Na	15		mg	Mc Cance & Widdowson 6 (calculated)	
zinc, Zn	0,76		mg	Mc Cance & Widdowson 6 (calculated)	
copper, Cu	0,44		mg	Mc Cance & Widdowson 6 (calculated)	
manganese, Mn	0,38		mg	Mc Cance & Widdowson 6 (calculated)	
chloride	28		mg	Mc Cance & Widdowson 6 (calculated)	
selenium, Se	12		µg	Mc Cance & Widdowson 6 (calculated)	
iodine	35		µg	Mc Cance & Widdowson 6 (calculated)	

<i>other</i>					
<i>parameter</i>	<i>data A</i>	<i>data B</i>	<i>unit</i>	<i>source</i>	<i>method</i>
nitrogen	1,02		g	Mc Cance & Widdowson 6 (calculated)	

<i>document validation</i>

for HesbayeFrost

Theo Baens

Quality Assurance Manager

signature

date 10/09/2014

images

spirelli 3 colours

