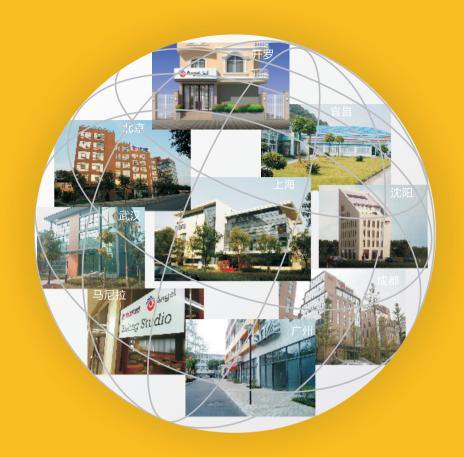


Angel's Herald





Angel Baking Centers

Global Distribution, Professional Service

Angel has set up regional headquarters and baking centers in Beijing, Shanghai, Chengdu, Yichang, Shenyang, Wuhan, Guangzhou, Middle East & Africa regional headquarters in Cairo and international training centers in Manila, Algiers.

Technical Team:

Angel has more than 30 researchers, 100 applications engineers, and has built up consultant team with domestic and overseas experts;

Strategic Partners:

China Cereals Research Institute(TaiWan), Guangdong Provincial Trade School, Suzhou Wang Sen Cake Art School, Sichuan Cooking College, Backaldrin, Dubor (Germany)















Training and Service

Our Service:

- Research on baking and fermented food and their application technology;
- Provide professional training to domestic market and over 140 countries;
- Undertake all tasks from industrial association, and provide a platform for technical communication and activities.

Training

- National occupational skills training of baking and fermentation pastry
- Technical cooperation with domestic and international institutes; invite well-known

- bakers to carry out activities: Shi Kunhe and Lin Chengxian from Taiwan, Wang Lanzhu from Beijing and bakers from Backaldrin.
- Training for our users, such as big factory users, bakeries and hotels
- Training for home users

Technical Solutions:

- Provide new recipes and solutions for Bakeries
- Research on Chinese fermented food such as cookies, bun, baozi and youtiao etc.
- Production technology and solutions to bread factories such as Hamburg, pizza, rustic, toast, Instant frozen food etc.

Find more information: en.angelyeast.com









Foreward

Bread is a popular food. This issue will introduce new and healthy recipes for baking bread. Complete with application examples, these recipes are newly released from the Angel Yeast Co., Ltd. It is our hope to help the bakery and food companies to expand their market potential and offer customers more healthy baked foods.

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Content

Lotus bread · · · · · · · · · · · · · · · · · · ·
Sweet rolls · · · · · · · · · · · · · · · · · ·
Whole egg toast · · · · · · · · · · · · · · · · ·
Cheese bread · · · · · · · · · · · · · · · · · · ·
Triumph bread · · · · · · · · · · · · · · · · · · ·
Mini croissants roll
Croissants row · · · · · · 10
Croissants11
Panettone bread · · · · · · · 12
French bread · · · · · 15
Ciabatta 16
Kaiser bread · · · · · · 17
Country soya bread · · · · · · 18
European bread · · · · · 19



Lotus Bread



Formula			
ingredients	%	g	
Flour	100	1000	
Angel yeast (sugar tolerant)	1	10	
A800 bread improver	0.5	5	
sugar	18	180	
salt	1.2	12	
milk powder	2	20	
eggs	20	200	
honey	5	50	
milk	40	400	
butter	12	120	
total	199.7	1997	

Pineapple peel

ingredients	g
margarine	100
sugar	75
eggs	100
cake flour	180

Process

- Mix and stir the dough to 70% then add butter, stir the dough again until gluten expands. Maintain the dough temperature between 26-28°C.
- Basic ferment for 60 minutes at 26-28°C
- Divide the dough into pieces of 80g/each.
- Moulding the dough: cut one third of dough. Coat the remaining dough with pineapple peel. Roll one third of the dough flat and wrap the remaining dough. Final proof at 36-38°C and humidity 75-80% for one hour
- Fermented the dough to 70%, brush with eggs and cut a cross on top, then bake.
- Baking temperature: upper filament 180°C, lower filament:190°C
- Baking time: 12 minutes





Feature

With super rising power and oven spring, Angel yeast (sugar tolerant) is welcomed and favored.





Sweet rolls



Formula % ingredients g sponge dough 70 700 bread flour Angel yeast (sugar tolerant) 0.7 7 water 42 420 main dough bread flour 30 300 Angel yeast (sugar tolerant) 0.3 3 A800 bread improver 0.5 5 sugar 6 60 salt 1.8 18 3 30 milk powder 6 60 white margarine water 15 150 total 175.3 1753

Process

- The sponge dough fermented for 3-4 hours and mixed with main dough at a temperature of 26-28°C.
- Divide the dough into pieces in 60g/each and roll then let it rise for 15 min.
- Mould the dough according to your own design.
 Final proof at 36-38°C and humidity 80-85%. Brush with eggs after proof then bake.
- Baking temperature: upper filament 200°C, lower filament:190°C
- Baking time: 15 minutes

Feature

Using Angel yeast (sugar tolerant) and bread improver A800, the bread is soft, fine & smooth, and bigger in size.







Sweet rolls





Whole Egg Toast



Formula		
ingredients	%	g
sponge dough		
bread flour	50	1000
Angel yeast (sugar tolerant)	0.3	6
water	30	600
main dough		
high gluten flour	50	1000
Angel yeast (sugar tolerant)	0.5	10
A800 bread improver	0.5	10
Bakerdream instant custard powder	3	60
sugar	16	320
cream	15	300
eggs	20	400
water	10	200
milk powder	5	100
salt	1.5	30
total	201.8	4036

Process

- The sponge dough is fermented for 2-3 hours and mixed with main dough at a temperature of 26-28°C.
- Divide the dough into pieces in 225g/each and roll then let it rise for 15 min.
- Press the dough into flat and roll. Put two pieces into the toasters. Final proof at 36-38°C and humidity 80-85%.
- Baking temperature upper filament 170°C, lower filament 190°C
- Baking time: 30 minutes





Feature

With golden colour & flavour, this bread is soft and nutritional. Bakerdream instant custard powder shall help you make the bread easy & convenient.





Cheese Bread



Formula				
ingredients	%	g		
sponge dough				
bread flour	50	1000		
Angel yeast (sugar tolerant)	0.5	10		
water	30	600		
main dough				
bread flour	50	1000		
Angel yeast (sugar tolerant)	1	20		
A300 bread improver	0.5	10		
sugar	16	320		
salt	1.5	30		
milk powder	6	120		
whole eggs	5	100		
butter	12	240		
water	20	400		
total	173	3450		

Filling		Decoratio
ingredients fresh milk sugar corn mix milk powder whole eggs soft cheese butter Bakerdream seed mix (grilled)	9 800 200 120 64 64 160 64 80	ingredients sugar powder egg white margarine dried coconut baking powder cake flour

56

lemon broken

Process

- Making the dough first: ferment the sponge dough in 0-5°C for 10-12 hours.
- Then mix with other ingredients to make main dough.
- Divide into parts of 60g / each. Roll into round shapes and put cheese filling into the center after waiting 15 minutes.
- Final proof in 36-38°C Humidity 80-85%
- Top with cheese or almonds and sour cream after proof.
- Baking temperature: Upper filament 200°C, Lower filament 190°C
- Baking time: 15 minutes

Making the cheese filling

- 1. Mix with fresh milk, sugar, corn mix, milk powder, and water, and cook until pasty.
- 2. Then added butter, soft cheese and mixed.
- 3. Finally added Bakerdream seed mix (grilled) &







Feature

Cheese flavor bread, sweet & soft, is the best snacks in tea time. Angel A300 bread improver shall make the bread soften & refined.



1000



Triumph Bread



Formula		
ingredients	%	g
sponge dough		
wheat flour	18	180
water	11	110
Angel fresh yeast	1	10
main dough		
flour	82	820
Bakerdream rye mix	30	300
Angel fresh yeast	1.5	15
A800 bread improver	0.5	5
milk powder	5	50
sugar	12	120
salt	2	20
whole eggs	5	50
water	46	460
butter	3	30
total	217	2170

Filling		Decoratio	n
ingredients	g	ingredients	g
walnut	20	white margarine	150
sunflower seeds	20	egg white	60
black seam seeds	10	sugar	20
white seam seeds	-	milk	80
raisin puffed in rum	10	shredded coconut	20
Bakerdream instant	100	cake flour	100
custard powder	50	oil	20

Process

- Making the dough: Ferment the sponge dough in 0-5°C for 10-12 hours. Then mix with other ingredients to make the main dough. The dough temperature should be maintained at 26-28°C.
- Basic ferment at temperature 28-30°C for 30 minutes
- Divide the dough into 80g/piece and roll into round shape.
- Rest the dough for 15 minutes then press into a flatted shape, put filling inside and roll the dough.
- Final proofing: temperature 36-38°C, humidity 75-80% Put Mexico topping & cheese after fermentation.
- Baking temperature: upper filament 160°C, lower filament:170°C
- Baking time: 15 minutes
 Cut two sides off after baking.

Filling making

Stir ingredients evenly. Decoration making







Feature

Light sweet bread with wonderful taste. Shorten the fermentation time with Angel fresh yeast.





Mini Croissants Roll



Formula		
Ingredients	%	g
bread flour	100	1000
Angel yeast (sugar tolerant)	2.5	25
A800 bread improver	0.5	5
salt	1	10
whole eggs	15	150
milk powder	5	50
butter	10	100
sugar	20	200
water	50	500
total	204	2040
puff pastry margarine		350

Feature

Croissant is a buttery, very tasty, flaky pastry. Angel yeast (sugar tolerant) and A800 Bread Improver is recommended for use.





- Making the dough: Mix the dough till the gluten expands 90% Dough temperature should be maintained at:24- 26°C
- Folding the dough: Chill the dough in the refrigerator for 30 min, then wrap in puff pastry margarine. Fold the dough into 3 layers twice and 4 layers once. The dough shall be freezing 10 min every folding. The pressed the dough into the thickness of 6mm.
- Molding the dough: Put walnut stuffing and cranberry into dough and press. Roll the dough into a row. Cut into a piece with1cm thickness and put into tray after 30min of freezing. Final proofing: temperature 31-33, humidity 75-80%
- Brush with eggs and topping Almond tablets
- Baking temperature: Upper filament 200°C Lower filament 190°C
- Baking time: 13 minutes











Croissants Row



Formula			
ingredients	%	g	
bread flour	100	1000	
Angel yeast (sugar tolerant)	2.5	25	
A800 bread Improver	1	10	
salt	1	10	
whole eggs	15	150	
milk powder	5	50	
butter	10	100	
sugar	20	200	
water	50	500	
total		2045	
puff pastry margarine	·	350	

Feature

Attractive toping fruit-filled Danish bread, with a sweet and crisp taste. Angel yeast (sugar tolerant) is recommended for use.





- Making the dough: Mix the dough to 80%. Maintain the dough at temperature of 24-26 $^{\circ}\text{C}$
- Fast-freezing dough: Mold the dough into rectangular shapes and then fast-freeze for 30 Min.
- Moulding the dough: Fold the dough into 3 layers triply. The dough should be frozen for 10 min every time. Then press the dough with a pastry machine down to a thickness of 6mm, and cut into 40mm × 5mm rectangles. Finally, row the dough into a braided shape and put in the tray. Final proofing: temperature 31-33°C
- Humidity 75-80%
- Brush eggs and topping decoration sugar after proofing.











Croissants







Fuji cinnamon bread

- Making the dough as the same way as Danish bread.
- Pat the dough into a 16 x 1.2 x 1 cm rectangle, and twisted into a braided. Rest it in the tray for 1 h. Then let the dough rise in temperature 32° C, humidity 85% for 60-80 minutes.
- Brush all eggs mixed with almond slice before baking.

Croissants coconut bread

- Making the dough as the same way as Danish bread.
- Packed puff pastry margarine into the dough, fold the dough into 3 layers twice. Rest the dough for 30 minutes before fold the dough into 4 layers, and rest it again. Pat the dough into a 20 x 10 x0.4 cm rectangle, around 100g/piece. Put 30g shredded coconut stuffing fillings into the piece and fold into a half circle and mould it in crescent mould. Then rest it temperature 32°C, humidity 75% for 60 minutes.
- Brush all eggs and topping with sugar powder, then baking.







Croissants





Croissants

- Making the dough as the same way as Danish bread.
- Press the dough into a 16 x 1.2 x 1 cm rectangle. Folded into a S shape. Put the folded dough into the mould for rest about 60-80 minutes in temperature 32°C, humidity 85%. Brush all eggs and topping with sugar granule, then baking.



Croissants

- Making the dough as the same way as Danish bread.
- Freeze the dough into the freezer for 30 minutes before packing puff pastry margarine into the dough. Then fold the dough into 3 layers twice, two layers once adding bean fillings between layers.
- Pat the dough into a 12 x 1.8 x 1.1 cm rectangle, and put into the mould for 60 minutes rest, temperature 32°C, humidity 80%.
- Brush eggs and topping with sugar granule before baking.
- Baking at upper filament 180°C, lower filament:190°C for 20 minutes.



















Croissants



Danish Croissants

Making the dough as the same way as Danish bread. Cutting the dough into a 17 X 12.5 X 0.5 cm triangle and folding it. Rest it for 60 minutes in temperature 35°C humidity 85%.



Croissants

- Making the dough as the same way as
 Danish bread. Press the dough into a 120
 x 35 x 1 cm rectangle, folding 3 layers
- Rest the dough for 30 minutes in a cool place. Fold the dough into 3 layers once again. Fillings with chocolate and freeze for 30 minutes
- Pat the dough into a 12 x 1.8 x 1.1cm rectangle, folding it like a butterfly. Rest the dough in temperature 32°C, humidity 75-80 for 60-80 minutes.
- Brush eggs and topping with chocolate and sugar powder before baking.







Panettone Bread



Formula				
ingredients % g				
bread flour	100	1000		
Angel yeast (sugar tolerant)	1	10		
A800 bread improver	0.5	5		
margarine	16	160		
salt	1.8	18		
eggs	15	150		
water	60	600		
total	206.3	2063		

Fruit Filling			
fruits raisin	g 200		
lemon peel	200		
fragrant peel almond piece	200 200		

Process

- Place ingredients and stir to 90% then add dry fruits and stir till gluten extends fully.
- Let the dough rest and divide the dough into piece of 200g/each.
- Let the dough rest for 15 min and roll into round one, put into case.
- Final proof at degree 36-38°C, humidity 75-80%
- Brush with eggs and bake with steam upper filament 190°C, lower filament:200°C
- Baking time: 14 minutes
- Top with sugar powder after the bread cools.





Feature

It's one classic holiday bread for Christmas. You could add a lot of dry fruit in the dough.





French bread

Formula			
ingredients	%	g	
bread flour	100	1500	
angel yeast	1	15	
LD500 bread improver	0.3	5	
bas light	1	15	
salt	1.6	24	
water	65	975	
total	168.9	2534	

Process

- Making the dough: Add ingredients except BAS Light stir until Gluten expands. Divide the dough into two parts of two sizes 100 g, and 350 g / each.
- Ferment in 28-30°C for 2 hours.
- Mold the dough in to Baguettes. Raisins could be added inside. - Final proofing at temperature 36-38°C, humidity 80-85%
- Cut the top of bread; put it in oven for steam baking.
- Baking temperature: upper filament 210°C, lower filament:200°C
- Baking time: 25-30 minutes

Feature

This French bread is larger in size, golden colour and has a natural crackle, with long time natural fermented flavor, made from Angel yeast and LD500 bread improver.







【成型方法】















Ciabatta



Formula			
ingredients	%	g	
bread flour	100	1000	
Bakerdream Ciabattamix	5	50	
Angel instant yeast	1	10	
salt	2	20	
water	70	700	
olive oil	4	40	
total	182	1820	

Pineapple peel



It's the classic Italia bread. 5% Bakerdream Ciabattamix in your receipt could supply you the bread crack outside, soft inside. The bread is rich in protein, unsaturated fatty acid, dietary fiber, vitamin, calcium, and iron.

- Put ingredients except olive oil and stir to 90%, then add olive oil and stir till gluten extends.
- Basic fermentation at degrees of 26-28°C for 2--4 hours
- Divide the dough into pieces on the rye flour.
- Final proof at degrees of 36-38°C, humidity75-80% for one hour.
- Bake with steam after proof. Bake at 240-250°C for 20-25 minutes. (open air door in last 5 minutes)









Kaiser Bread



Formula			
ingredients	%	g	
bread flour	70	700	
cake flour	30	300	
salt	1.8	18	
Angel instant yeast	1	10	
LD500 bread improver	0.5	5	
White cream	2	20	
water	60	600	
total	165.3	1653	

Process

- Place ingredients and stir till gluten extends.
- Let the dough rest for 10 min, divide into 70g/each and roll.
- Mould with module and turn it down put on the tray and cover with cloth.
- Final proof at degree 36-38°C, humidity 80-85% to 70%. And turn the dough down again for last fermentation.
- Bake with steam at degree 230-235°C Baking time: 13-15 minutes

Pineapple peel



It's the popular bread in Europe with crown model. Angel instant yeast and improvers LD series is recommended for use.









Country Soya Bread



Formula			
ingredients	%	g	
bread flour	100	1500	
Bakerdream Rusticmix	20	300	
Angel instant yeast	2	30	
salt	2.2	33	
sponge dough	50	750	
LD500 bread improver	0.5	7.5	
water	75	1125	
total	249.7	3745.5	

Feature



The bread made from Bakerdream Rusticmix is rich in protein, unsaturated fatty acid, dietary fiber, vitamin, calcium, iron and other nutrient substances. It brings you rich mouth feels & flavor.

- Soak Bakerdream Rusticmix in water for 5-10 min.
 Add other ingredients and stir until gluten expends at degrees of 28-30°C.
- Ferment at 26-28°C for 60 min.
- Divide the dough into pieces of 60g/each. Press it into triangle pieces sprinkle with dry flour then wrap 200g dough inside. Loosely seal it up and put into baking tray.
- Final proof at degrees of 36-38°C, humidity 80-85%
- Bake with steam after proof.Baking temperature:
 190°C Baking time: 25 minutes







European Bread



Formula			
ingredients	%	g	
bread flour	100	1500	
Bakerdream multi-grain bread mix	16	240	
Angel instant yeast	1.2	18	
LD300 bread improver	0.4	6	
salt	1.6	24	
water	80	1200	
total	199.2	2988	

Feature



This bread is one of most welcome breads in Europe made from Bakerdream multi-grain premix. It has a wonderful taste and is high in nutrition value such as fibre, vitamin, calcium, and iron.

- Soak multi-grain bread mix in water for 5-10 min.
 Add other ingredients and stir until gluten expends at degrees of 28-30°C.
- Divide the dough into pieces of 80g/each, roll and rest.
- Press flat and roll into spindle shape (15cm length, mid diameter:3cm)
 Final proof at 36-38°C humidity 80-85%
- Cut twice on the top of bread, put some Brezen Salt. Bake with steam.
- Baking temperature: 240-250°C Baking time: 17-18 minutes











100 solutions for bread

Technology Solutions for Bread Making 100s, compiled by Angel experts for common problem during making bread. Sometimes one of these suggestions can help, and sometimes you may use several methods to solve the problem.

Wish that the solutions are helpful and inspiring!

Please visit the website at en.angelyeast.com for more information

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Hamburger



Q1 Blisters on the surface

- Reduce dough temperature
- Shorten resting time, shaping time or proofing time
- Use special bread improver for hamburger
- Lower temperature and relative humidity in the proofer
- Reduce the amount of water while sprinkling sesame
- Select bread flour with suitable gluten



Q4 Surface not smooth

- Lengthen mixing time
- Add more water into flour
- Reduce temperature and increase the relative humidity in proofer

• Use more sponge dough or sponge and dough method

- Reduce the level of bread improver
- Select bread flour with suitable gluten

Q5 Crumb not Soft EnoughSelect bread flour with stronger gluten

• Use special bread improver for hamburger



Q2 Uneven bottom

- Add more water into flour
- Lengthen mixing time or proofing time
- Shorten resting time
- Mix with ice or ice water to lower dough temperature
- Select bread flour with suitable gluten



• Add more water into main dough

• Use fully fermented sponge

Lengthen baking time



Q3 Flying tops and sides

- Lengthen mixing time or increase the amount of water to improve dough extensibility
- Reduce the level of bread improver or select special bread improver for hamburger
- Lengthen dough proofing time or increase the humidity in proofer
- Select bread flour with suitable gluten
- Make the surface of dough smooth and even after shaping

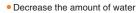


Q6 Rough Crumb

- Expel the gas in the dough by machine
- Shorten resting time
- Mix with ice or ice water to lower dough temperature
- Use special bread improver for better texture
- Lower the temperature in proofer
- Shorten proofing time
- Reduce yeast level in main dough
- Select bread flour with suitable gluten

Buns

Q1 Flat bread



- Shorten mixing time
- Use bread flour with stronger gluten
- Use bread improver or more bread improver
- Lower the temperature in the proofer
- Shorten proofing time or use more yeast (the situation that proofing time lasts too long)

Q2 Big hole inside

- Add more water into flour
- Lengthen mixing time until fully developed
- Use less oil or flour in rounding or dividing
- Expel the gas in the dough by machine

Q3 Coarse texture

- Use bread flour with stronger gluten
- Expel the gas in the dough by machine
- Use ice or ice water to lower dough temperature in
- · Reduce yeast level while the proofing is too fast
- Use bread improver for better texture

Q4 Flying sides

- For hard dough, add more water into flour
- Lengthen mixing time
- Use bread flour with lower gluten
- Lengthen the final proofing time
- Reduce the level of bread improver

Q5 Bubbles on the surface of dough

- Lower humidity in the proofer
- Shorten resting time
- The dough avoids being hit after proofing
- Use bread flour with higher gluten
- Use bread improver
- Shorten the final proofing time

Toast

Q1 Inner texture not fine

- Expel the gas in the dough by machine
- Shorten resting time
- Mix with ice or ice water to lower dough temperature
- Use less yeast
- Use bread improver to improve the bread texture

Q2 Collapse or shrinkage of bread

- Extend baking time
- Seldom open the oven during baking
- Use stronger bread flour
- Use bread improver to improve dough stability
- Turn the bread at the end of baking time(uneven heat)

Q3 Flying Sides

- Use weaker bread flour
- Lengthen mixing time
- Add more water into flour
- Use less bread improver
- Seam side down

Q4 Irregular big hole inside

- Expel the gas in the dough by machine
- Mix with ice or ice water to lower dough temperature
- Add less yeast or lower fermentation speed
- Use weaker bread flour
- Use less oil or flour in rounding or dividing
- Seal the fold in shaping

Loaf bread

Q1 Coarse crumb • Exclude the gas in the dough by machine

- Shorten resting time
- Mix with ice or ice water to lower dough temperature
- Lower the temperature in proofer
- Use less sponge dough or sponge and dough method
- Use less yeast level for slower dough fermentation
- Use special bread improver for better texture

Q2 Too big volume

- Increase oven temperature
- Decrease dough weight
- Lower the level of bread improver
- Shorten the final proofing time
- Use bread flour with weaker gluten(opposite operations when bread volume is too small)

Q3 Side collapse or shrinking

- Lower the level of bread improver
- Increase dough weight
- Turn bread in the oven(uneven heat)
- Lengthen the baking time
- Use bread flour with weaker gluten

Q4 Irregular hole inside

- Expel the gas in the dough by machine
- Mix with ice or ice water to lower dough temperature
- Shorten resting time
- Use less oil or flour during shaping
- Seal the fold in shaping

Q5 Uneven inner color

- Fully mix after adding margarine or shortening
- Lessen the amount of oil and flour in dividing or shaping

Baguette

Q1 Small cut on the surface

- Shorten mixing time
- Use special bread improver for baguette
- Bake with steam
- Lengthen the first proofing time
- Use bread flour with weak gluten or add some cake flour into bread flour

Q2 Flying sides

- Roll dough tightly in shaping
- Increase humidity in the proofer
- Lengthen the final proofing time

Q3 Crust not crispy

- Increase baking temperature and shorten baking time
- Use bread flour with weak gluten or add some cake flour into bread flour
- Less times of steaming or shorter steaming time
- Add special bread improver for baguette
- Open the damper at the end of baking time

Q4 collapse after cutting

- Shorten proofing period
- Use stronger bread flour
- Lower the relative humidity in the proofer
- Use special bread improver for baguette
- Cut the dough lightly

Q5 No big holes inside baguette

- Lengthen the first proofing time or add more yeast
- Use low sugar instant dry yeast
- Add special bread improver for baguette









Professional Yeast Perfects Global Baking



Angel Yeast Co., Ltd