

Christmas Belgian Ale

- Gravity **18.7 BLG**
- ABV ---
- IBU **36**
- SRM **21.7**
- Style **Christmas/Winter Specialty Spiced Beer**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.3 liter(s)**
- Total mash volume **28.4 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------------|---------------|-------|------|
| Grain | Strzegom Pale Ale | 5 kg (70.4%) | 79 % | 6 |
| Grain | Strzegom Monachijski typ I | 1 kg (14.1%) | 79 % | 16 |
| Grain | Caramel/Crystal Malt - 30L | 0.5 kg (7%) | 75 % | 59 |
| Grain | Cara Blonde - Castle Malting | 0.5 kg (7%) | 78 % | 20 |
| Grain | Strzegom Czekoladowy ciemny | 0.1 kg (1.4%) | 68 % | 1200 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Marynka | 30 g | 60 min | 10 % |
| Boil | Lublin (Lubelski) | 50 g | 10 min | 4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------------------------|------|------|--------|-----------------|
| Mangrove Jack's M27 Belgian Ale | Ale | Dry | 11 g | Mangrove Jack's |

Extras

| Type | Name | Amount | Use for | Time |
|--------|--------------------|--------|---------|--------|
| Spice | cynamon 30g | 30 g | Boil | 10 min |
| Spice | imbir | 30 g | Boil | 30 min |
| Spice | gozdzik | 0 g | Boil | 10 min |
| Spice | Galka muszkatolowa | 0 g | Boil | 10 min |
| Spice | kardamon | 0 g | Boil | 10 min |
| Flavor | Miod gryczany | 500 g | Boil | 10 min |

| | | | | |
|--------|---------------------------|------|-----------|----------|
| Flavor | Skorka pomaranczy | 20 g | Boil | 10 min |
| Flavor | Skorka cytryny | 20 g | Boil | 10 min |
| Flavor | Skorka pomaranczy | 20 g | Secondary | 5 day(s) |
| Flavor | Skorka cytryny | 20 g | Secondary | 5 day(s) |
| Other | Platki debowe opiekane | 25 g | Secondary | 5 day(s) |