

RIS czekoladowo-kokosowy

- Gravity **33.7 BLG**
- ABV **17.4 %**
- IBU **48**
- SRM **70**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **3 %**
- Size with trub loss **25.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **27.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **37.8 liter(s)**
- Total mash volume **50.4 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **65 C**, Time **60 min**

Mash step by step

- Heat up **37.8 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **60 min** at **65C**
- Sparge using **2.4 liter(s)** of **76C** water or to achieve **27.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|---------------------------------|----------------|--------|------|
| Grain | Viking - Pale Ale | 6.4 kg (41.7%) | 80 % | 7 |
| Grain | Weyermann - Carapils | 1.2 kg (7.8%) | 78 % | 4 |
| Grain | Thomas Fawcett - owsiany | 1.2 kg (7.8%) | 80.5 % | 5 |
| Grain | Weyermann - Abbey | 0.7 kg (4.6%) | 75 % | 45 |
| Grain | Castle malting - Biscuit | 0.5 kg (3.3%) | 79 % | 50 |
| Grain | Weyermann - Caramunich Typ II | 0.6 kg (3.9%) | 73 % | 120 |
| Grain | Thomas Fawcett - Pale Chocolate | 0.5 kg (3.3%) | 71 % | 625 |
| Grain | Thomas Fawcett - Chocolate | 0.5 kg (3.3%) | 70 % | 1200 |
| Grain | Weyermann - Carafa II | 1 kg (6.5%) | 70 % | 1150 |
| Liquid Extract | Ekstrakt słodowy jasny | 2 kg (13%) | 76 % | 15 |
| Sugar | Laktoza | 0.33 kg (2.2%) | 76.1 % | 0 |
| Dry Extract | Maltodekstryna | 0.4 kg (2.6%) | 100 % | 0 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---|--------|--------|------------|
| Boil | gorzyczny Marynka - szyszki własny zbiór | 100 g | 90 min | 10 % |
| Boil | aromatyczny East Kent Goldings - szyszki własny zbiór | 50 g | 15 min | 5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|-------|--------|------------|
| Safale S-33 | Ale | Slant | 140 ml | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|--|--------|-----------|----------|
| Flavor | Kakao prażone, nibsy ziarno kruszone, Meksyk | 384 g | Secondary | 7 day(s) |
| Flavor | Chipsy kokosowe naturalne | 1200 g | Secondary | 7 day(s) |