

psycho-kakao

- Gravity **28.1 BLG**
- ABV ---
- IBU **33**
- SRM **138.9**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **13.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.2 liter(s)**
- Total mash volume **22.9 liter(s)**

Steps

- Temp **65 C**, Time **75 min**

Mash step by step

- Heat up **17.2 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **75 min** at **65C**
- Sparge using **2.3 liter(s)** of **76C** water or to achieve **13.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|-----------------|-------|------|
| Grain | Strzegom Pale Ale | 3.5 kg (61.1%) | 79 % | 6 |
| Grain | Strzegom Pszeniczny | 0.5 kg (8.7%) | 81 % | 6 |
| Grain | Strzegom Karmel 150 | 0.1 kg (1.7%) | 75 % | 150 |
| Grain | Strzegom Czekoladowy ciemny | 0.63 kg (10.9%) | 68 % | 1200 |
| Grain | Jęczmień palony | 0.75 kg (13.1%) | 55 % | 985 |
| Grain | Weyermann - Smoked Malt | 0.25 kg (4.4%) | 81 % | 6 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Cascade | 37.5 g | 60 min | 6 % |
| Boil | Cascade | 12.5 g | 15 min | 6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|-------|--------|------------|
| safale s-05 | Ale | Slant | 250 ml | --- |

Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

| | | | | |
|--------|---------------|--------|-----------|-----------|
| Flavor | ziarno kawy | 12.5 g | Boil | 10 min |
| Flavor | ziarno kakao | 12.5 g | Boil | 10 min |
| Flavor | ziarno kawy | 12.5 g | Secondary | 30 day(s) |
| Flavor | ziarno kakao | 12.5 g | Secondary | 30 day(s) |
| Flavor | płatki dębowe | 7.5 g | Secondary | 30 day(s) |