

CZARNE KRÓWSKO

- Gravity **15.2 BLG**
- ABV ---
- IBU **35**
- SRM **55.7**
- Style **Sweet Stout**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **66.5 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **29 liter(s)**
- Total mash volume **36.3 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **74 C**, Time **10 min**

Mash step by step

- Heat up **29 liter(s)** of strike water to **74C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **74C**
- Sparge using **10 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------------|----------------|--------|------|
| Grain | Strzegom Pale Ale | 3.5 kg (45.2%) | 79 % | 6 |
| Grain | Strzegom Monachijski typ II | 2 kg (25.8%) | 79 % | 22 |
| Grain | Strzegom Żytmi | 0.5 kg (6.5%) | 81 % | 8 |
| Grain | Pszeniczny Czekoladowy Fawcett | 0.3 kg (3.9%) | 72.7 % | 1000 |
| Grain | Palone Ziarno Jęczmienia Strzegom | 0.4 kg (5.2%) | 70 % | 1000 |
| Grain | Kawowy CastleMalting | 0.25 kg (3.2%) | 77 % | 260 |
| Grain | Strzegom Karmel 600 | 0.3 kg (3.9%) | 68 % | 601 |
| Sugar | Milk Sugar (Lactose) | 0.5 kg (6.5%) | 76.1 % | 0 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil | Magnum | 35 g | 60 min | 11.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|-------------|-----|-----|------|--------|
| Safale S-04 | Ale | Dry | 20 g | Safale |
|-------------|-----|-----|------|--------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|--------------------|--------|-----------|----------|
| Fining | Mech Irlandzki | 5 g | Boil | 15 min |
| Flavor | Laktoza | 500 g | Boil | 15 min |
| Flavor | Kawa Bondi Premium | 100 g | Secondary | 7 day(s) |
| Flavor | Płatki Sherry | 50 g | Secondary | 7 day(s) |