

Black IPA z resztek i nie tylko

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **59**
- SRM **29.5**
- Style **Black IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.5 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.7 liter(s)**
- Total mash volume **22.3 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|-----------------|-------|-----|
| Grain | Strzegom Pale Ale | 4 kg (68.7%) | 79 % | 6 |
| Grain | Carafa II | 0.254 kg (4.4%) | 70 % | 812 |
| Grain | Jęczmień palony | 0.065 kg (1.1%) | 55 % | 985 |
| Grain | Czekoladowy | 0.2 kg (3.4%) | 60 % | 788 |
| Grain | Cara Gold Castlemalting | 0.8 kg (13.7%) | 78 % | 120 |
| Grain | Caramunich I | 0.25 kg (4.3%) | 73 % | 80 |
| Sugar | cukier kuchenny | 0.25 kg (4.3%) | 80 % | 0 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|----------|------------|
| Boil | Mosaic | 3 g | 60 min | 11.8 % |
| Boil | Magnum | 29 g | 60 min | 12 % |
| Boil | Cascade | 25 g | 45 min | 6 % |
| Boil | Fuggles | 30 g | 15 min | 4.3 % |
| Boil | Cascade | 25 g | 1 min | 6 % |
| Dry Hop | Cascade | 50 g | 5 day(s) | 6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 11.5 g | Fermentis |