

black ipa

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **56**
- SRM **23.8**
- Style **Black IPA**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **10 %**
- Size with trub loss **14.4 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **17.4 liter(s)**

Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **20.3 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------|----------------|-------|-----|
| Grain | Weyermann - Carafa II | 0.3 kg (6.7%) | 70 % | 837 |
| Grain | Strzegom Pale Ale | 3.5 kg (77.8%) | 79 % | 6 |
| Grain | Słód pszeniczny Bestmalz | 0.7 kg (15.6%) | 82 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|---------|--------|----------|------------|
| Boil | Marynka | 40 g | 45 min | 10 % |
| Whirlpool | Mosaic | 25 g | 0 min | 10 % |
| Whirlpool | Citra | 25 g | 0 min | 12 % |
| Dry Hop | Mosaic | 25 g | 2 day(s) | 10 % |
| Dry Hop | Citra | 25 g | 2 day(s) | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------|------|--------|--------|------------------|
| FM52 Amerykański Sen | Ale | Liquid | 30 ml | Fermentum Mobile |