

Black_IPA

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **92**
- SRM **43.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|---------------------------------|--------------|-------|-----|
| Liquid Extract | ekstrakt słodowy ciemny Bruntal | 1.7 kg (50%) | 90 % | 621 |
| Liquid Extract | Bruntal | 1.7 kg (50%) | 81 % | 26 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|--------|------------|
| Boil | Columbus/Tomahawk/Zeus | 30 g | 45 min | 15.5 % |
| Boil | Equinox | 30 g | 30 min | 13.1 % |
| Boil | Simcoe | 30 g | 10 min | 13.2 % |

Yeasts

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