

Black IPA

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **54**
- SRM **29.5**
- Style **Black IPA**

Batch size

- Expected quantity of finished beer **34 liter(s)**
- Trub loss **5 %**
- Size with trub loss **35.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **43 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **26.1 liter(s)**
- Total mash volume **34.8 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------|-------------|-------|------|
| Grain | Strzegom Pale Ale | 8 kg (92%) | 79 % | 6 |
| Grain | Carafa III | 0.7 kg (8%) | 70 % | 1300 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------|--------|--------|------------|
| Boil | Idaho 7 | 40 g | 60 min | 12.3 % |
| Aroma (end of boil) | Idaho 7 | 60 g | 10 min | 12.3 % |
| Whirlpool | Idaho 7 | 100 g | 3 min | 12.3 % |

Yeasts

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