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	---