

## Black Ipa

- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **67**
- SRM **51.8**

### Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	WES ekstrakt słodowy jasny	1.7 kg (38.6%)	80 %	---
Liquid Extract	ekstrakt słodowy ciemny Bruntal	1.7 kg (38.6%)	90 %	621
Liquid Extract	Strzegom Karmel 300	1 kg (22.7%)	70 %	299

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Equinox	15 g	60 min	13.1 %
Boil	Cascade	15 g	60 min	9 %
Boil	Equinox	10 g	30 min	13.1 %
Boil	Cascade	10 g	30 min	9 %
Boil	Cascade	5 g	20 min	9 %
Boil	Equinox	5 g	20 min	13.1 %
Aroma (end of boil)	Zythos	30 g	10 min	11 %