

mocna ciemna IPA

- Gravity **21.6 BLG**
- ABV **9.7 %**
- IBU **21**
- SRM **27.7**
- Style **Brown IPA**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **10 %**
- Size with trub loss **25.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **60 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **31.5 liter(s)**
- Total mash volume **42 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (38.8%)	80 %	4
Grain	Strzegom Wiedeński	5 kg (38.8%)	79 %	10
Grain	Jęczmień palony	0.5 kg (3.9%)	55 %	985
Sugar	Cukier	1 kg (7.8%)	100 %	27
Adjunct	Woda	1 kg (7.8%)	1 %	1
Liquid Extract	Miód Gryczany (Buckwheat Honey)	0.4 kg (3.1%)	75 %	40

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade PL	25 g	60 min	5.2 %
Boil	Marynka	25 g	30 min	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM27 Artefakty trapistów	Ale	Liquid	500 ml	Fermentum Mobile