

# bidaris

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- Gravity **23.6 BLG**
- ABV **10.8 %**
- IBU **102**
- SRM **59.8**
- Style **American Stout**

## Batch size

- Expected quantity of finished beer **5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **5.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **6.4 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **7.5 liter(s)**
- Total mash volume **10 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale Flagon	1.8 kg (72%)	80 %	5
Grain	Strzegom Karmel 150	0.2 kg (8%)	75 %	150
Grain	Strzegom Czekoladowy ciemny	0.3 kg (12%)	68 %	1200
Grain	Płatki owsiane	0.2 kg (8%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnat	10 g	70 min	14 %
Boil	Marynka	10 g	70 min	10 %
Boil	lunga	10 g	70 min	11 %

## Extras

Type	Name	Amount	Use for	Time
Flavor	wiórki kokosowe	150 g	Secondary	14 day(s)