

# Golden Sunrise

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- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **30**
- SRM **3.3**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **13.1 liter(s)**
- Total mash volume **16.8 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	3.4 kg (64.9%)	81 %	4
Grain	Weyermann - Carapils	0.34 kg (6.5%)	78 %	4
Adjunct	Płatki ryżowe	1.5 kg (28.6%)	80 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Zythos	8 g	60 min	11 %
Boil	Rakau (NZ)	25 g	15 min	9.5 %
Boil	Zythos	22 g	10 min	11 %
Boil	Sorachi Ace	25 g	5 min	10 %