

Apek Pali Aleksandrow

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **49**
- SRM **5.5**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.3 liter(s)**
- Total mash volume **27 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------|----------------|-------|-----|
| Grain | Pale Ale Flagon | 6 kg (88.9%) | 80 % | 5 |
| Grain | Strzegom Wiedeński | 0.5 kg (7.4%) | 79 % | 10 |
| Grain | Caramunich® typ I | 0.25 kg (3.7%) | 73 % | 80 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|----------|------------|
| Boil | Amarillo | 20 g | 60 min | 9.5 % |
| Boil | Marynka | 20 g | 60 min | 10 % |
| Boil | Lublin (Lubelski) | 20 g | 60 min | 4 % |
| Boil | Amarillo | 20 g | 20 min | 9.5 % |
| Dry Hop | Amarillo | 30 g | 4 day(s) | 9.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 11.5 g | Safale |