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(/ / : / / :)

)

(

/ /

(OMD)

(PPP)

(ME)

(P< /)

(P< /) PPP

ME OMD

(P< /)

%

(P< /)

(Abrishamizadeh, 1994)

/

(Saadatnoori, 1983)

(Abrishamizadeh, 1994)

(Foroughameri, 1997)

()

/
(Shakeri et al., 2004)

/ / / /
/
/ /

(Foroughameri, 1997; Fazaeli, 2005)

(Bagheripour et al., 2008)

)

(%
(Tekasi et al., 1998)

%

(Seyed Momen, 2001)

%

()

(Vahmani & Naserian, 2005)

)

(

P		SEM					
ns	ns	/					
ns	ns	/					
ns	ns	/					
*	*	/	d	c	b	/	a
*	*	/	d	c	b		a
*	*	/	d	c	b		a
*	*	/	d	c	b		a

ns % :*, :SEM
%

() Menke & Steingass

(AOAC, 1990)

$$OMD = 14/11 + 0/1193 G + 0/448 CP + 0/651 Ash$$

(Deriaz, 1961)

$$ME = 2/20 + 0/1357 G + 0/57 CP + 0/029 CP^2$$

(1993) Makkar et al.

() **OMD**
(ml/200 mg of **G**
() **CP DM**
ME () **Ash**
()

(Makkar et al., 1993)

$$Y_{ij} = \mu + T_i + e_{ij}$$

GLM SAS
 T_i μ Y_{ij}
 e_{ij}

(2000) Makkar
(Makkar, 2000)

(2000) Makkar

(1988) Menke & Steingass

(P < /)

(ME)

(OMD)

1. Folin Ciocalteu
2. Tannic acid
3. Free Gallic acid
4. Gallotannins

(P < /)

)

(

($P < /$)

($P < /$)

(Min et al., 2005)

($P < /$)

(Makkar, 2003)

-)

(

(Norton, 1998)

(McAllister et al., 1994)

(2006) Bagheripour

pH

(Kumar & Vaithyanathan, 1990; Kumar et al.,
2001)

(Min et al., 2005)

- (Van Soest, 1994)
- (Waghorn et al., 1994)
- (Sutton, 1976)
- (Decandia et al., 1998; Jansman, 1993; Kumar & Singh, 1984; - (Reed, 1995) Reed, 1995)
- (Bagheripour et al., 2008)
- (1986) Hagerman & Klucher
- (Hagerman & Klucher, 1986; Bagheripour et al., 2008)

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